



# **DULUX NEW & REDECORATION WORK PAINT SPECIFICATION SABS INTERIOR**

**ADDRESS:**

**South African Bureau of Standards  
1 Dr Lategan Road  
Private Bag x 191  
Groenkloof  
Pretoria  
0001**

**Date: 15 January 2024**

**REFERENCE: TJ-002-2024-01**

African Dynamic Quality – Engineering Projects  
1022 Saxby Avenue  
Eldoraigne  
Pretoria

**Attention** : Mr. Schalk Jansen  
**Telephone number** : 012 030 0355  
**Email** : [schalk@adqengineering.co.za](mailto:schalk@adqengineering.co.za)

Dear Schalk,

**DULUX NEW & REDECORATION WORK PAINT SPECIFICATION FOR INTERNAL SURFACES**  
**SABS**

Thank you for giving Dulux (Pty) Ltd the opportunity to be of assistance in the painting of the above project.  
Our recommendations are attached.

We assure you of our best service at all times and look forward to providing you with the outstanding service and products you have come to expect from us.

Yours sincerely



**Tarryn Jackson**  
**SPECIFIER CONSULTANT**

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## Preamble

- *Due to the potential deterioration of the existing coatings and/or the potential deterioration of the existing substrates referred to within this Specification, the use of this Specification is limited to **6 months** from the date of origination.*  
Should the project not commence during this period it may be necessary to re-assess the project as further coating deterioration may have occurred and product upgrades may be necessary.
- Ensure that surfaces are sound and free from dust, oil, grease, dirt, and debris.  
Surfaces must be thoroughly dry - no more than 12% moisture content.
- Plaster sand should comply with SABS 1090 requirements. Plaster mix must be applied at a minimum thickness of 10mm, curing to a hard and sound finish, free of soft and friable material. MPA strength must comply with SABS 0164-1 (10MPa=2, 6:1 and 5MPa=4:1).
- It is important to note that for optimum coating performance, fresh plaster should be allowed to dry and cure adequately, i.e. one week drying for every 5mm thickness, and longer in cold or damp weather.
- It is recommended that imported light fast colourants/pigments be used for exterior application. These colours will change uniformly and a difference in the finishing colour will be noted after +/- 1 year. Pantone colours should be matched to the closest opaque ICI Dulux colour.
- Exterior colours undergoing fading and chalking, is a natural occurrence with exterior architectural coatings. The extent depends on product/binder type, pigmentation, and environment/climate. Formulations that are tagged "interior use only" are only applicable for interior use and are excluded for exterior exposure under this guarantee.
- Certain bright or ultra-deep (base 6) colours often present poor ability to cover, hence requiring numerous coats to obliterate the substrate. We recommend that the first finishing coat be tinted from a base 9 to a colour corresponding to the colour of the topcoat. This will reduce the number of topcoats required for full hiding.
- Ultra-deep colours that are tinted from a clear Base 6 are excluded from any guarantee.
- Change in colour is measured as the overall difference or contrast, between original and tested specimens in line with Grey Scale ISO/SANS 105-A03:1993. Change in colour, whether in hue, depth, or brightness is not rated. Colour change allowed on the Grey Scale is 4-5 up to 3 years and 3-4 up to 5 years. This however will not affect substrate protection.
- The spreading rate per square metre per litre is approximate only as it may be influenced by profile, textured or porous surfaces, and application method and tools.
- Uneven surface profiles may show as a patchy finish, due to varying reflectance levels.

- **ICI DULUX DOES NOT RECOMMEND RE-PAINTING BEFORE ALL CAUSES OF MOISTURE INGRESS HAVE BEEN ESTABLISHED AND CURED BY A REPUTABLE DAMP PROOFING SPECIALIST.**

*We recommend a waterproofing specialist be consulted and recommend specification / rectification methodology, any failure to coating as a result of insufficient waterproofing will rescind warranty to those areas.*

- **Prior to painting, a reputable damp proofing specialist is to establish and repair all causes of moisture ingress in the structure such as but not limited to: rising/lateral dampness; water penetration from balconies/stairwells/walkways; moisture originating from copings and horizontal parts; leaks between the window frame and the plaster; joints, both vertical and horizontal; dampness as a result of earth-retention; suspected plumbing leaks; surface and structural cracks etc. All to be done in strict accordance with approved damp proofing methods.**
- **ALL TREATMENT OF DAMPNES IS EXCLUDED FROM THE ICI DULUX SCOPE OF WORK AND DULUX TRADE GUARANTEE.**
- **ALL STRUCTURAL DEFECTS OR CRACKS MUST BE REPAIRED ACCORDING TO A STRUCTURAL SPECIALIST/ ENGINEER'S METHODOLOGY.**
- All V-Joints and/or Expansion Joints need to be inspected and remediated before painting can commence. All weep holes need to be inspected and repaired (where applicable) before painting can commence.
- Crosshatch tests should be done on areas where the adhesion of paint is suspect. Feather edges of tightly bonded paint with rough to medium grit paper to smooth them off and provide an even surface without repair witnesses.
- For surfaces exhibiting excessive chalkiness, a full coat of primer is necessary to aid adhesion.
- Inter-coat washing is essential for all coastal projects. When in close proximity to the ocean, it is important to ensure surfaces are free of contaminants, specifically salt deposits, before painting can commence.
- Boundary walls, garden walls, and all freestanding structures: because of the absence of a Damp Proof Course, as well as earth retention, these walls should be treated as maintenance items.
- All products must be applied in strict accordance with the Manufacturer Specification and Product Technical Datasheet. Technical Datasheets are available on the Dulux website: [www.dulux.co.za](http://www.dulux.co.za)

## *Project Notification*

### **FOR ALL DULUX TRADE FULL SPECTRUM GUARANTEE PROJECTS**

- The **Routine Quality Audit Request Sheet** on the next page must be filled in and passed on to the relevant ICI Dulux representative.
- The client/contractor must notify ICI Dulux **TWO weeks** prior to commencement of the project to facilitate the necessary QA.
- **IF THIS IS NOT ADHERED TO NO GUARANTEE WILL BE ISSUED.**

| ROUTINE QUALITY AUDIT REQUEST FORM               |              |              |                |  |
|--------------------------------------------------|--------------|--------------|----------------|-------------------------------------------------------------------------------------|
| Project Name                                     |              |              |                |                                                                                     |
| Project Address                                  |              |              |                |                                                                                     |
| Dulux Specification Reference number             |              |              |                |                                                                                     |
| Specification Date                               |              |              |                |                                                                                     |
| New Work   Redecoration                          |              |              |                |                                                                                     |
|                                                  |              |              |                |                                                                                     |
|                                                  | Company Name | Contact Name | Contact Number |                                                                                     |
| Asset Owner/Client Details                       |              |              |                |                                                                                     |
| Professional Details                             |              |              |                |                                                                                     |
| Main Contractor Details                          |              |              |                |                                                                                     |
|                                                  |              |              |                |                                                                                     |
| Painting Contractor Registered Name (Trading as) |              |              |                |                                                                                     |
| Company Registration Number                      |              |              |                |                                                                                     |
| Site Contact Details                             |              |              |                |                                                                                     |
| Store                                            |              |              |                |                                                                                     |
|                                                  |              |              |                |                                                                                     |
| Start Date of Paintwork                          |              |              |                |                                                                                     |
| Project Completion Date                          |              |              |                |                                                                                     |
| Contract Value (R)                               |              |              |                |                                                                                     |
| Total Paint Value (R)                            |              |              |                |                                                                                     |
| Colour Schedule:                                 |              |              |                |                                                                                     |
|                                                  |              |              |                |                                                                                     |

**BEFORE PAINTING CAN COMMENCE, EVERY PROBLEM MUST BE REPAIRED IN STRICT ACCORDANCE WITH SECTION 2 – BEST PAINTING PRACTICE.**

**AREAS TO BE EXCLUDED**

All areas not mentioned in the Scope of Work.



## Paint Schedule

### SCOPE OF WORK

| NEW INTERNAL SURFACES |                                                                                                                                     |                                                                                                                                            |          |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| SPEC NO.              | SUBSTRATE                                                                                                                           | PRODUCTS                                                                                                                                   | Page No. |
| 1.                    | INTERNAL WALLS AND CEILINGS<br><b>DARK ROOM - (GLOSS LEVEL NOT TO EXCEED 5%)</b><br><b>(Moisture content is between 0% and 12%)</b> | ONE COAT DULUX TRADE ALKALI RESISTANT PLASTER PRIMER<br>TWO COATS DULUX TRADE 100 MATT                                                     | 10       |
| 2.                    | INTERNAL WALLS<br><b>(Moisture content is between 0% and 12%)</b>                                                                   | ONE COAT DULUX TRADE ALKALI RESISTANT PLASTER PRIMER<br>TWO COATS DULUX TRADE 100 LOW SHEEN                                                | 13       |
| 3.                    | INTERNAL WALLS – Bathrooms, Kitchens, Wet Areas, High Traffic Areas)                                                                | ONE COAT DULUX TRADE ALKALI RESISTANT PLASTER PRIMER<br>TWO COATS DULUX PEARLGLO WATER-BASED                                               | 15       |
| 4.                    | INTERNAL CEILINGS                                                                                                                   | ONE COAT DULUX TRADE ALKALI RESISTANT PLASTER PRIMER<br>TWO COATS DULUX TRADE 65 MATT PVA                                                  | 17       |
| 5.                    | INTERNAL CEILINGS – MILD STEEL PANELS                                                                                               | ONE COAT DULUX PRIMER FOR STEEL (patching)<br>TWO COATS DULUX TRADE 65 MATT PVA                                                            | 19       |
| 6.                    | INTERNAL TIMBER – TO BE PAINTED<br>(Maintenance Item - excluded from Guarantee)                                                     | ONE COAT DULUX PRIMER FOR WOOD (full coat)<br>ONE COAT DULUX TRADE UNIVERSAL UNDERCOAT (full coat)<br>TWO COATS DULUX PEARLGLO WATER-BASED | 21       |
| 7.                    | INTERNAL TIMBER – TO BE VARNISHED<br>(Maintenance Item - excluded from Guarantee))                                                  | THREE COATS DULUX WOODGARD INTERIOR/EXTERIOR TIMBAVARNISH                                                                                  | 22       |
| 8.                    | INTERNAL MILD STEEL SURFACES<br><b>(Pre- primed)</b>                                                                                | ONE COAT DULUX PRIMER FOR STEEL (patching)<br>ONE COAT DULUX TRADE UNIVERSAL UNDERCOAT (full coat)<br>TWO COATS DULUX PEARLGLO WATER-BASED | 23       |
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## SPECIFICATION 1. INTERNAL WALLS & CEILINGS – DARK ROOM

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(Moisture content is between 0% and 12%)

### SURFACE PREPARATION

Before painting can commence, every problem must be repaired in strict accordance with **DULUX BEST PAINTING PRACTICE**.

Plaster sand should comply with SABS 1090 requirements. Plaster mix must be applied at a minimum thickness of 10mm, curing to a hard and sound finish, free of soft and friable material. MPA strength must comply with SABS 0164-1 (10MPA=2, 6:1 and 5MPA=4:1). Ensure that surfaces are sound, and free from dust, dirt, grease, oil, rust and debris.

#### Cement Plaster (non-friable)

- It is recommended that fresh plaster should be allowed one week drying for every 5mm thickness; and longer in cold or damp weather.
- Apply one coat **Dulux Trade Alkali Resistant Primer**. For very absorbent surfaces more than one coat primer could be required to achieve correct binding and sealing properties.

#### Composite Boarding

- Spot-prime metal strips and nail heads with appropriate metal primer.
- Apply one coat **Dulux Trade Alkali Resistant Primer**. Very absorbent gypsum plaster could require more primer coats to achieve correct binding and sealing properties.

#### Gypsum Plaster (non-friable)

- Ensure the gypsum plaster is sound and non-friable and cured as per the manufactured of the gypsum plaster specifications.  
Apply one coat **Dulux Trade Alkali Resistant Primer**. Very absorbent gypsum plaster could require more primer coats to achieve correct binding and sealing properties.

#### Concrete

- Ensure that concrete is fully cured and sound. Remove any uncured cement, grease, and mould release agents by high-pressure water blast, or wash with a strong solution of **Dulux Sugar Soap** /water solution. Rinse off thoroughly with clean water and allow drying.
- For best paint system performance, prime with one full coat of **Dulux Trade Alkali Resistant Primer**.

#### Filling

Fill all imperfections with the appropriate **Dulux Pre-Paint Filler** and spot prime filled areas with **Dulux Trade Alkali Resistant Primer** once the crack filler has dried properly.  
Failure to do this will result in uneven sheen levels between the repaired and normal areas.

## APPLICATION:

### Primer

Ensure surfaces are sound, clean and thoroughly dry - **moisture content should not exceed 12%**.

Apply **Dulux Trade Alkali Resistant Primer** at 9m<sup>2</sup> per litre, as a full primer coat to bare substrate.  
Allow overnight drying.

### Finishing

Finish the walls with 2 coats of **Dulux Trade 100 Matt** at 8-10m<sup>2</sup> per litre per coat with 4 hours drying time between coats.

**Application method** – Brush, roller, airless spray

### Precautions:

- Do not apply during inclement or extreme weather conditions (wet, not below 10°C and above 35°C)
- Not suitable for direct application to powdery or friable surfaces whether previously painted or not.
- Not suitable for use in kitchen and bathrooms.
- Do not clean the surface within 7 days of applying.

|        | PAINT SYSTEM                                            | RECOATING<br>TIME AT 23°C | SPREADING<br>RATE<br>per m <sup>2</sup> per litre | RECOMMENDED FT<br>(per coat) µm |       |
|--------|---------------------------------------------------------|---------------------------|---------------------------------------------------|---------------------------------|-------|
|        |                                                         |                           |                                                   | WFT                             | DFT   |
| COAT 1 | DULUX TRADE ALKALI RESISTANT PLASTER PRIMER (full coat) | 18 hours                  | 9                                                 | 70-100                          | 25-35 |
| COAT 2 | DULUX TRADE 100 MATT                                    | 4 hours                   | 8-10                                              | 100-120                         | 30-40 |
| COAT 3 | DULUX TRADE 100 MATT                                    | 4 hours                   | 8-10                                              | 100-120                         | 30-40 |

## GLOSS LEVEL OF COATING DOES NOT EXCEED 5%

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## SPECIFICATION 2. INTERNAL WALLS (New and Previously Painted)

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(Moisture content is between 0% and 12%)

### SURFACE PREPARATION

Before painting can commence, every problem must be repaired in strict accordance with **DULUX BEST PAINTING PRACTICE**.

Plaster sand should comply with SABS 1090 requirements. Plaster mix must be applied at a minimum thickness of 10mm, curing to a hard and sound finish, free of soft and friable material. MPA strength must comply with SABS 0164-1 (10MPa=2, 6:1 and 5MPa=4:1). Ensure that surfaces are sound, and free from dust, dirt, grease, oil, rust and debris.

#### Cement Plaster (non-friable)

- It is recommended that fresh plaster should be allowed one week drying for every 5mm thickness; and longer in cold or damp weather.
- Apply one coat **Dulux Trade Alkali Resistant Primer**. For very absorbent surfaces more than one coat primer could be required to achieve correct binding and sealing properties.

#### Composite Boarding

- Spot-prime metal strips and nail heads with appropriate metal primer.
- Apply one coat **Dulux Trade Alkali Resistant Primer**. Very absorbent gypsum plaster could require more primer coats to achieve correct binding and sealing properties.

#### Gypsum Plaster (non-friable)

- Ensure the gypsum plaster is sound and non-friable and cured as per the manufactured of the gypsum plaster specifications.
- Apply one coat **Dulux Trade Alkali Resistant Primer**. Very absorbent gypsum plaster could require more primer coats to achieve correct binding and sealing properties.

#### Concrete

- Ensure that concrete is fully cured and sound. Remove any uncured cement, grease, and mould release agents by high-pressure water blast, or wash with a strong solution of **Dulux Sugar Soap** /water solution. Rinse off thoroughly with clean water and allow drying.
- For best paint system performance, prime with one full coat of **Dulux Trade Alkali Resistant Primer**.

## Good Condition, not powdery

- Remove any loose and flaking paint back to a sound substrate and firm edges by scraping and sanding.
- Clean surfaces with **Dulux Pre-Paint Sugar Soap** /water solution to remove all surface contaminants and chalky residue, rinse with clean water to remove all traces of the **Dulux Pre-Paint Sugar Soap** treatment and allow drying out.
- Enamel surfaces need to be sanded to a matt finish to aid adhesion before commencing with the Dulux Pre-Paint Sugar Soap /water solution treatment. Apply a coat of **Dulux Trade Universal Undercoat**.

## Old Paint in Poor Condition

- Completely remove all loose and flaking paint.
- Remove oil, grease dirt or any other contaminants with **Dulux Pre-Paint Sugar Soap**/water solution and allow drying.
- Friable surfaces must be removed and repaired.
- Mould instructions. To kill lichen and algae growth, scrub with one of the following solutions: either 4:1 water/chlorine, or 4:1 water/sodium hypochlorite. Ensure that the areas are completely saturated, and allow the solution to react for a minimum of 4 hours. Rinse the complete wall surface thoroughly with clean water and allow drying.

## Filling

Fill all imperfections with the appropriate **Dulux Pre-Paint Filler** and spot prime filled areas with **Dulux Trade Alkali Resistant Primer** once the crack filler has dried properly.

Failure to do this will result in uneven sheen levels between the repaired and normal areas.

## APPLICATION:

Ensure surfaces are sound, clean and thoroughly dry - **moisture content should not exceed 12%**.

### Primer

Apply **Dulux Trade Alkali Resistant Primer** at 9m<sup>2</sup> per litre, as a full primer coat to bare substrate.

Allow overnight drying.

*(Recoating Time 18 hours at 23°C. Drying times will be extended during cold, wet or humid conditions)*

### Finishing

Finish with 2 coats of **Dulux Trade 100 Lowsheen** at 8-10m<sup>2</sup> per litre per coat to achieve a closed film and solid colour.

**Application method** – Brush, roller, airless spray

**Precautions:**

- Do not apply during inclement or extreme weather conditions (wet, not below 10°C and above 35°C)
- Not suitable for direct application to powdery or friable surfaces whether previously painted or not.
- Not suitable for use in kitchen and bathrooms.
- Do not clean the surface within 7 days of applying.

|        | PAINT SYSTEM                                       | RECOATING<br>TIME AT 23°C | SPREADING<br>RATE<br>per m <sup>2</sup> per litre | RECOMMENDED FT<br>(per coat) µm |       |
|--------|----------------------------------------------------|---------------------------|---------------------------------------------------|---------------------------------|-------|
|        |                                                    |                           |                                                   | WFT                             | DFT   |
| COAT 1 | DULUX TRADE ALKALI RESISTANT<br>PRIMER (full coat) | 18 hours                  | 9                                                 | 70-100                          | 25-35 |
| COAT 2 | DULUX TRADE 100 LOWSHEEN                           | 4 hours                   | 8-10                                              | 100-120                         | 30-40 |
| COAT 3 | DULUX TRADE 100 LOWSHEEN                           | 4 hours                   | 8-10                                              | 100-120                         | 30-40 |

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## **SPECIFICATION 3: INTERNAL WALLS – WET AREAS, BATHROOMS, KITCHENS AND HIGH TRAFFIC**

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### **SURFACE PREPARATION:**

Before painting can commence, every problem must be repaired in strict accordance with **DULUX BEST PAINTING PRACTICE**.

Plaster sand should comply with SABS 1090 requirements. Plaster mix must be applied at a minimum thickness of 10mm, curing to a hard and sound finish, free of soft and friable material. MPA strength must comply with SABS 0164-1 (10MPa=2, 6:1 and 5MPa=4:1). Ensure that surfaces are sound, and free from dust, dirt, grease, oil, rust and debris.

### **Cement Plaster (non-friable), Composite Boarding and Fibre Cement**

- It is recommended that fresh plaster should be allowed one week drying for every 5mm thickness; and longer in cold or damp weather.
- Spot-prime metal strips and nail heads with appropriate metal primer.
- Apply one coat **Dulux Trade Alkali Resistant Primer**. For very absorbent surfaces more than one coat primer could be required to achieve correct binding and sealing properties.

### **Gypsum Plaster (non-friable)**

- Ensure the gypsum plaster is sound and non-friable and cured as per the manufactured of the gypsum plaster specifications.  
Apply one coat **Dulux Trade Alkali Resistant Primer**. Very absorbent gypsum plaster could require more primer coats to achieve correct binding and sealing properties.

### **Concrete**

- Ensure that concrete is fully cured and sound. Remove any uncured cement, grease, and mould release agents by high-pressure water blast, or wash with a strong solution of **Dulux Sugar Soap** /water solution. Rinse off thoroughly with clean water and allow drying.
- For best paint system performance, prime with one full coat of **Dulux Trade Alkali Resistant Primer**.

### **Filling**

Fill all imperfections with the appropriate **Dulux Pre-Paint Filler** and spot prime filled areas with **Dulux Trade Alkali Resistant Primer** once the crack filler has dried properly.

Failure to do this will result in uneven sheen levels between the repaired and normal areas.

#### APPLICATION:

Ensure surfaces are sound, clean and thoroughly dry - **moisture content should not exceed 12%**.

Apply **Dulux Trade Alkali Resistant Primer** at 9m<sup>2</sup> per litre, as a full primer coat to bare substrate.  
Allow overnight drying.

Finish the walls with 2 coats of **Dulux Pearl glo Waterbased** at 8-10m<sup>2</sup> per litre per coat to achieve a closed film and solid colour, allow 4 hours drying time in between coats

**Application method** – Brush or short-nap mohair roller

#### N.B

- Do not apply during inclement or extreme weather conditions (wet, not below 10°C and above 35°C)
- Recommended for interior surfaces only. Will chalk if applied to surfaces exposed to direct sunlight.
- Not suitable for direct application to powdery or friable surfaces whether previously painted or not
- Do not clean the surface within 7 days of applying

|        | PAINT SYSTEM                                            | RECOATING<br>TIME AT 23°C | SPREADING<br>RATE<br>per m <sup>2</sup> per litre | RECOMMENDED FT<br>(per coat) µm |       |
|--------|---------------------------------------------------------|---------------------------|---------------------------------------------------|---------------------------------|-------|
|        |                                                         |                           |                                                   | WFT                             |       |
| COAT 1 | DULUX TRADE ALKALI RESISTANT PLASTER PRIMER (full coat) | 18 hours                  | 9                                                 | 70-100                          | 25-35 |
| COAT 2 | DULUX PEARLGLO WATERBASED                               | 4 hours                   | 8-10                                              | 100-125                         | 35-45 |
| COAT 3 | DULUX PEARLGLO WATERBASED                               | 4 hours                   | 8-10                                              | 100-125                         | 35-45 |



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## SPECIFICATION 4: INTERNAL CEILINGS

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### SURFACE PREPARATION:

Before painting can commence, every problem must be repaired in strict accordance with **DULUX BEST PAINTING PRACTICE**.

#### Composite Boarding

- Spot-prime metal strips and nail heads with appropriate metal primer.
- For very absorbent surfaces more than one coat **Dulux Trade Alkali Resistant Primer** could be required to achieve correct binding and sealing properties.

#### Gypsum Plaster (non-friable)

- Ensure the gypsum plaster is sound and non-friable and cured as per the manufactured of the gypsum plaster specifications.
- Apply one coat **Dulux Trade Alkali Resistant Primer**. Very absorbent gypsum plaster could require more primer coats to achieve correct binding and sealing properties.

#### Filling

Fill all imperfections with the appropriate **Dulux Pre-Paint Filler** and spot prime filled areas with **Dulux Trade Alkali Resistant Primer** once the crack filler has dried properly.

Failure to do this will result in uneven sheen levels between the repaired and normal areas.

### APPLICATION:

#### Primer

Ensure surfaces are sound, clean and thoroughly dry - **moisture content should not exceed 12%**.

Apply **Dulux Trade Alkali Resistant Primer** at 9m<sup>2</sup> per litre, as a full primer coat to bare substrate.  
Allow overnight drying.

#### Finishing

Finish the walls with 2 coats of **Dulux Trade 65 Matt PVA** at 7-8m<sup>2</sup> per litre per coat to achieve a closed film and solid colour.

**Application method** – Brush, roller or airless spray.

**N.B**

- Do not apply during inclement or extreme weather conditions (wet, not below 10°C and above 35°C)
- Not suitable for direct application to powdery or friable surfaces whether previously painted or not
- Not suitable for use in kitchen and bathrooms
- Do not clean the surface within 7 days of applying

|        | PAINT SYSTEM                                               | RECOATING<br>TIME AT 23°C | SPREADING<br>RATE<br>per m <sup>2</sup> per litre | RECOMMENDED FT<br>(per coat) µm |       |
|--------|------------------------------------------------------------|---------------------------|---------------------------------------------------|---------------------------------|-------|
|        |                                                            |                           |                                                   | WFT                             | DFT   |
| COAT 1 | DULUX TRADE ALKALI RESISTANT PLASTER<br>PRIMER (full coat) | 18 hours                  | 9                                                 | 70-100                          | 25-35 |
| COAT 2 | DULUX TRADE 65 MATT PVA                                    | 4 hours                   | 7-8                                               | 125-140                         | 45-50 |
| COAT 3 | DULUX TRADE 65 MATT PVA                                    | 4 hours                   | 7-8                                               | 125-140                         | 45-50 |

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## SPECIFICATION 5 - INTERNAL MILD STEEL CEILING PANELS

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### SURFACE PREPARATION:

#### PREVIOUSLY PAINTED SURFACES

- Perform adhesion tests on the existing coating to crosscut test ISO 2409-2013 standards.
- Remove all loose and flaking paint back to a sound surface or substrate. If in a poor condition, strip completely.
- Edges of tightly bonded paint are to be feathered with sandpaper to smooth them off and provide an even surface. The sanding will also serve to provide a profile.
- Remove all rust scale back by most suitable means back to bright clean metal or galvanised surface.
- Rusted areas may be wire-brushed, scraped, chipped and sanded down to bright metal and a cleanliness standard of St2.
- Clean bare steel patches with a solvent wash (rags dipped in lacquer thinner). Change rags frequently.
- Sand enamel surfaces to provide a key and improve adhesion.

#### APPLICATION:

To clean, rust-free bare metal areas, spot prime with **Dulux Steel Primer** and allow overnight drying.

*Recoating Time 18 hours at 23°C. Recoating times will be extended during cold, wet or humid conditions.*

Apply **Dulux Trade Universal Undercoat** at 8-10m<sup>2</sup> per litre, as an overall undercoat.

Finish the walls with 2 coats of **Dulux Trade 65 Matt PVA** at 7-8m<sup>2</sup> per litre per coat to achieve a closed film and solid colour.

**Application method** – Brush, roller or airless spray.

#### Precautions

- *Do not apply during inclement or extreme weather conditions (wet, not below 10°C and above 35°C)*
- **Dulux Steel Primer** - *not designed to withstand natural weathering. It should be over coated within 1 week particularly in coastal conditions.*
- *Apply one or two coats **Dulux Steel Primer**, depending on the severity of the conditions to achieve a minimum continuous total film of 30µm microns. Two Coats are preferred for coastal conditions.*
- *Not suitable for direct application to powdery or friable surfaces whether previously painted or not.*

|        | PAINT SYSTEM                                   | RECOATING<br>TIME AT 23°C | SPREADING<br>RATE<br>per m <sup>2</sup> per litre | RECOMMENDED FT<br>(per coat) µm |       |
|--------|------------------------------------------------|---------------------------|---------------------------------------------------|---------------------------------|-------|
|        |                                                |                           |                                                   | WFT                             | DFT   |
| COAT 1 | DULUX STEEL PRIMER (patching)                  | 18 hours                  | 10-12                                             | 100-125                         | 40-50 |
| COAT 2 | DULUX TRADE UNIVERSAL UNDERCOAT<br>(full coat) | 18 hours                  | 8-10                                              | 65-90                           | 25-35 |
| COAT 3 | DULUX TRADE 65 MATT PVA                        | 4 hours                   | 7-8                                               | 125-140                         | 45-50 |
| COAT 4 | DULUX TRADE 65 MATT PVA                        | 4 hours                   | 7-8                                               | 125-140                         | 45-50 |

## SPECIFICATION 6: INTERNAL TIMBER – TO BE PAINTED

### SURFACE PREPARATION:

Ensure that surfaces are sound and free from dust, oil, grease, dirt, and debris.

- Timber treated with borer- or fire retardant may cause slow drying (consult supplier).
- Treat all knots and resinous areas with Knotting Agent to prevent subsequent staining of paint coatings.
- Spot prime nail heads with **Dulux Rustshield** or **Dulux Steel Primer**.
- Repair damaged wood with a suitable wood filler.
- Special attention must be given to painting the end grain to avoid moisture penetration - apply a second coat after 10 - 20 minutes.

### APPLICATION:

Apply **Dulux Wood Primer** at 10-13m<sup>2</sup> per litre, as a full primer coat. Allow overnight drying. Two coats may be required for very absorbent wood.

For best paint system performance, apply **Dulux Trade Universal Undercoat** at 8-10m<sup>2</sup> per litre, as an overall undercoat.

Finish with 2 coats of **Dulux Pearlgló Waterbased** at 8-10m<sup>2</sup> per litre per coat to achieve a closed film and solid colour.

### N.B

- Do not apply during inclement or extreme weather conditions (wet, not below 10°C and above 35°C)
- **Dulux Wood Primer** - not designed to withstand natural weathering. It should be recoated in 2 to 3 days. If left uncoated for extended periods, sanding will be required before application of the topcoat.
- **Dulux Wood Primer** is not recommended for use on highly resinous timber.

|        | PAINT SYSTEM                                | RECOATING TIME AT 23°C | SPREADING RATE per m <sup>2</sup> per litre | RECOMMENDED FT (per coat) µm |       |
|--------|---------------------------------------------|------------------------|---------------------------------------------|------------------------------|-------|
|        |                                             |                        |                                             | WFT                          | DFT   |
| COAT 1 | DULUX PRIMER FOR WOOD (full coat)           | 18 hours               | 10-13                                       | 50-100                       | 35-45 |
| COAT 2 | DULUX TRADE UNIVERSAL UNDERCOAT (full coat) | 18 hours               | 8-10                                        | 65-90                        | 25-35 |
| COAT 3 | DULUX PEARGLO WATERBASED                    | 4 hours                | 8-10                                        | 100-125                      | 35-45 |
| COAT 4 | DULUX PEARGLO WATERBASED                    | 4 hours                | 8-10                                        | 100-125                      | 35-45 |

## SPECIFICATION 7: INTERNAL TIMBER – TO BE VARNISHED

### SURFACE PREPARATION:

Ensure that surfaces are sound and free from dust, oil, grease, dirt, and debris.

- Sand down wood including the end grain to a smooth even surface finish using 100 -150 grit sandpaper, sanding in the direction of wood grain.
- Note: If nail holes or wood crevices need to be filled with wood filler, then fill and allow drying and sand to a smooth finish as part of the final sanding.
- Remove dust with a clean lint free cloth dampened with water.

### APPLICATION:

Ensure that surface is now smooth, free from dust, dirt, grease, oil and mortar splatter. Surfaces must be thoroughly dry, no more than 12% moisture content.

Apply a minimum of three coats **Dulux Woodgard Interior/Exterior Timbavarnish** at 10-12m<sup>2</sup> per litre, to bare wood.

Thin the first coat up to 10% with Mineral Turpentine to aid penetration on raw wood. Allow to dry overnight and sand lightly with 320 grit sandpaper.

Apply second and third coat undiluted, sanding lightly between coats.

The ends of items are to be sealed by every coat to avoid moisture penetration.

### FINISH:

High gloss – clear, teak, mahogany, dark oak and light oak.

**N.B. Dulux Woodgard Interior/Exterior Timbavarnish** is not recommended for floors or decking.

|        | PAINT SYSTEM                                                                          | RECOATING TIME AT 23°C | SPREADING RATE per m <sup>2</sup> per litre | RECOMMENDED FT (per coat) µm |       |
|--------|---------------------------------------------------------------------------------------|------------------------|---------------------------------------------|------------------------------|-------|
|        |                                                                                       |                        |                                             | WFT                          | DFT   |
| COAT 1 | DULUX WOODGARD INTERIOR/EXTERIOR TIMBAVARNISH – (thinned 10% with mineral turpentine) | 18 hours               | 10-12                                       | 55-75                        | 25-35 |
| COAT 2 | DULUX WOODGARD INTERIOR/EXTERIOR TIMBAVARNISH                                         | 18 hours               | 10-12                                       | 55-75                        | 25-35 |
| COAT 3 | DULUX WOODGARD INTERIOR/EXTERIOR TIMBAVARNISH                                         | 18 hours               | 10-12                                       | 55-75                        | 25-35 |

## SPECIFICATION 8: INTERNAL MILD STEEL SURFACES

### SURFACE PREPARATION:

Ensure that surfaces are sound and free from rust, dust, dirt, grease and oil. Surfaces must be thoroughly dry.

- Inspect shop-primer thoroughly for damage by installation.
- All rust, scale and dirt must be removed by scraping or with steel wire brushes, and then thoroughly sand with medium grit sandpaper and finish with fine grit sandpaper - down to a bright metal finish.
- Ensure that the sanded areas are dry and free of grease and dust. A solvent wash (rags dipped in lacquer thinner) may be used. Change the rags frequently. Allow drying.

### APPLICATION:

To clean, rust-free bare metal areas, apply **Dulux Steel Primer** as a patch primer, and allow overnight drying.

**Window Frames:** Remove defective putty from window frames. Clean the metal frames, and apply **Dulux Steel Primer** as a primer, allowing overnight drying. Then reglaze and allow putty to dry for approximately 7 days until a solid skin has formed.

Prior to the finishing coats, apply **Dulux Trade Universal Undercoat** to putty and allow overnight drying.

Apply **Dulux Trade Universal Undercoat** at 8-10m<sup>2</sup> per litre, as an overall undercoat.

Finish with 2 coats of **Dulux Pearl glo Waterbased** at 8-10m<sup>2</sup> per litre per coat to achieve a closed film and solid colour.

### N.B

- Do not apply during inclement or extreme weather conditions (wet, not below 10°C and above 35°C)
- **Dulux Steel Primer** - not designed to withstand natural weathering. It should be over coated within 1 week particularly in coastal conditions.
- Apply one or two coats **Dulux Steel Primer**, depending on the severity of the conditions to achieve a minimum continuous total film of 30µm microns. Two Coats are preferred for coastal conditions.
- Not suitable for direct application to powdery or friable surfaces whether previously painted or not.

|        | PAINT SYSTEM                                   | RECOATING<br>TIME AT 23°C | SPREADING<br>RATE<br>per m <sup>2</sup> per litre | RECOMMENDED FT<br>(per coat) µm |       |
|--------|------------------------------------------------|---------------------------|---------------------------------------------------|---------------------------------|-------|
|        |                                                |                           |                                                   | WFT                             | DFT   |
| COAT 1 | DULUX STEEL PRIMER (patching)                  | 18 hours                  | 10-12                                             | 80-100                          | 30-40 |
| COAT 2 | DULUX TRADE UNIVERSAL UNDERCOAT<br>(full coat) | 18 hours                  | 8-10                                              | 65-90                           | 25-35 |
| COAT 3 | DULUX PEARLGLO WATERBASED                      | 4 hours                   | 8-10                                              | 100-125                         | 35-45 |
| COAT 4 | DULUX PEARLGLO WATERBASED                      | 4 hours                   | 8-10                                              | 100-125                         | 35-45 |

| <div>  <div>SABS</div>  </div>                                                                                                                                                                                           |                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Digital Swatch                                                                                                                                                                                                                                                                                                                                                                               | Name                     |
|  <div>Basic Black™</div>                                                                                                                                                                                                                                                                                    | Black (Dark Room)        |
|  <div>Snowfield™</div>                                                                                                                                                                                                                                                                                     | Snowfield (Wall colour)  |
|  <div>Charcoal Slate™</div>                                                                                                                                                                                                                                                                               | Charcoal Slate (Feature) |
|  <div>Darkened Puddle™</div>                                                                                                                                                                                                                                                                              | Darkened Puddle (Trim)   |
| <b>Colour accuracy</b> <p>We have made every effort to make the colours on screen as accurate as possible. Unfortunately, we cannot guarantee an exact colour match of the on screen colour to the colours of the actual products and the colour appearing on screen should not be relied on as being such. Colours on screen may vary depending on your screen settings and resolution.</p> |                          |



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| Site Work<br>Instruction | <b><i>Dulux Best Painting Practice - Trade</i></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                          | <b>Version 8 – 2022 February - THIS ISSUE SUPERSEDES ALL PREVIOUS PUBLICATIONS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                          | <b>PREVIEW TO THE IMPORTANCE OF GOOD PAINTING PRACTICE AND THE KEY ELEMENTS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                          | <p>Paint coatings are composed of different chemicals, which combine synergistically to provide the paint with its properties. However, in order to derive the optimum paint properties and maximise the longevity of the coatings, it is of paramount importance that the paint coating is applied using best painting practices and according to the manufacturer's specifications. In the main, it is essential that the substrate to which the paint coating is applied is free of defects that will affect the adhesion of the coating system. Adhesion to the substrate is the key to coating longevity. In addition, it is important to use a paint coating system that will protect the building substrates and enhance the aesthetics of the building. This document addresses the most important elements of surface defects, and provides detailed instructions for the repair, removal, cleaning and general preparation that is required prior to the painting of new and existing plaster, concrete, brickwork, and building boards.</p> <p>Prevention is better than cure and the secret of a perfect, long-lasting paint finish is a sound, clean and dry substrate, and the correct use of products in line with the product technical datasheet. It is important to note that for optimum coating performance, fresh plaster should be allowed to dry as stated in the respective product technical datasheets and cure adequately, i.e. one week drying for every 5mm thickness, and longer in cold or damp weather.</p> |
| <b>1</b>                 | <b>DEFECTS IN BUILDINGS AND TREATMENTS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>1.1</b>               | <p><b><u>Dampness and Moisture in Walls: Key Products for the application are DULUX PRE-PAINT DAMPSHIELD and DULUX RAINSHIELD</u></b></p> <p><u>Definition of Structural Dampness</u><br/> This refers to the presence of unwanted moisture in the structure of a building, either the result of intrusion from outside or condensation from within the structure. The most damage to paint systems, and eventually to the substrate and the structure, is caused by <i>excessive</i> moisture in the walls.</p> <p>Damp can be of three categories, viz:</p> <ul style="list-style-type: none"> <li>• <u>Condensation</u> due to temperature differences between moisture containing air and the building surfaces.</li> <li>• <u>Rising damp</u> emanates from water in the ground. Rising damp is the common term for the slow upward movement of water in the lower sections of walls and other ground-supported structures by capillary action. The height of the rise is rarely above 1.5m from soil level. If left untreated it can cause damage to the structure</li> <li>• <u>Penetrating damp</u> is one of the most common causes of damp. Penetrating damp (otherwise known as water ingress or lateral damp) generally occurs within older buildings but can occur in properties of any age and at any level of the building. Penetrating damp is the result of water infiltration through an external wall and into the property. If left untreated it can cause damage to the structure</li> </ul>                           |

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|  | <p>Prior to painting, the building needs to be inspected for all signs of dampness. Telltale signs of Prior to painting, the building needs to be inspected for all signs of dampness. Tell-tale signs of dampness are the deposition of salts on the surface, flaking paint, water staining and discolouration.</p> <p>Pigments used in Dulux premium quality exterior coatings are chemically stable and UV stable under “normal” conditions i.e. moisture levels below 12%. The pigments used have the highest rating resistance to acid and alkali but at high moisture levels, soluble salts from the plaster composition and elsewhere are transported through the coating by the moisture and deposited on the coating surface. The result is discolouration of the surface of the paint and sometimes deterioration of plaster.</p> <p>Prior to painting, it is essential that <b>ALL</b> causes of dampness are established and cured. A damp proofing specialist or plumber should be consulted if necessary, for rectification using appropriate water drainage and plumbing methods.</p> <p>All references made to substrate moisture on the back of pack information and Dulux Technical Datasheets are subject to the correct use of the Protimeter moisture meter range. Should the applicator make use of a different moisture meter, it remains the applicators responsibility to ensure that the readings taken are aligned with the same scale of the Protimeter moisture meter range</p> <p><b>N.B</b> The ICI Dulux Quality Guarantee excludes damage to coating systems arising from dampness and moisture ingress.</p> <p><b>Treatment: Rising dampness in solid walls</b></p> <p>This occurs where plaster has been continued below DPC level, or in the absence of adequate DPC protection. On walls containing up to 50% moisture, apply two coats <b>DULUX PRE-PAINT DAMPSHIELD</b> from the ground up to 1.5m, as an apron around the wall. Ensure application and preparation is in accordance with specification. Note that <b>DULUX PRE-PAINT DAMPSHIELD</b> is a moisture barrier and as such will not cure the source of the moisture, but merely remedy the effects.</p> <p><b>Treatment: Dampness in boundary walls, earth-retaining walls and any free-standing structure</b></p> <p>For retaining walls with constant moisture levels below 50%, apply two coats of <b>DULUX PRE-PAINT DAMPSHIELD</b> and two coats of <b>DULUX RAINSHIELD</b> - Membrane free, flexible fibre reinforced waterproofing on the earth retaining face of the wall. Allow to dry for a week before commencing with the earth piling. Drainage points needs to be inspected to ensure proper drainage as to prevent water retention.</p> <p>In the case of boundary or freestanding walls or parapet walls, the tops should be sealed with <b>DULUX RAINSHIELD</b> - Membrane free, flexible fibre reinforced waterproofing, applied with a brush to achieve a waterproofing film thickness of 600 microns (at least 2-3 full coats) at a spreading rate of 2-3m<sup>2</sup>/lt. The waterproofing system should be taken up, over, and down the walls and extended at least 25mm down the sides. To prevent capillary action (water cohesion) the waterproofing system must be worked well into the substrate. See respective product technical datasheet for detailed product and application specific application information.</p> |
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|     | <p><b>Treatment: Areas prone to penetrating damp</b></p> <p>Repair and seal any area of water ingress from roofs, balconies, horizontal or sloping wall tops, joints between windows and plaster reveals, etc. with <b>DULUX RAINSHIELD</b> - Membrane free, flexible fibre reinforced waterproofing, applied with a brush to achieve a waterproofing film thickness of 600 microns (at least 2-3 full coats) at a spreading rate of 2-3m<sup>2</sup>/litre. Larger gaps can be filled in using <b>DULUX PRE-PAINT EXPANDING FOAM</b>. It is advisable that all joints be inspected and re sealed using industry standard methods i.e. expansion joints, movement joints, “V” joints and around window frames. Waterproofing on balcony areas should be rectified if needed and allow to dry before painting commences.</p> <p><b>Treatment: Efflorescence and lime bloom as a result of excessive moisture</b></p> <p>These are a result of water within the structure, dissolving salts and lime, then evaporating and leaving a white deposit on the surface. It should be brushed down and wiped with a dampened (not wet) sponge using a 5 to 10% solution of white vinegar and water. The brushing/wiping must be repeated as often as the deposits appear. Painting must not commence until efflorescence has ceased and the surface washed down using <b>DULUX PRE-PAINT SUGAR SOAP</b> and rinsed with clean water to remove any vinegar residue.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 1.2 | <p><b>CRACKING</b></p> <p>Cracking in walls can have numerous causes, but one of the main causes is the settlement of the building in combination with inferior plaster mix, and the presence of moisture and dampness. It is important to assess the cracking and ensure that it is not interfering with the structure of the building. For structural cracks consult a structural engineer to provide a suitable rectification specification</p> <p><b>Treatment: Hair cracks (-0.2mm)</b></p> <p>Remove dust and debris. Apply suitable crack filler as per manufacturer’s instructions. Work the filler into the crack, leave to dry and sand to a smooth surface.</p> <p><b>Treatment: Medium plaster cracks (+0.2mm and -2mm)</b></p> <p>Rake out with a scraper blade. Treat fungal growth with either 4:1 water/chlorine, or 4:1 water/sodium hypochlorite or use a suitable fungal treatment (applied as per manufacturer’s instructions). Ensure that the areas are completely saturated and allow the solution to react for a minimum of 4 hours. Rinse the complete wall surface thoroughly with clean water and allow drying. Remove dust and debris. Apply suitable crack filler as per manufacturer’s instructions. Work the filler into the crack, leave to dry and sand to a smooth surface.</p> <p><b>Treatment: Extensive map-crazed cracks broad walls</b></p> <p>Open and clean all cracks wider than 0.2mm up to 2 mm according to instructions above (medium cracks). After all cracks have been opened and cleaned, coat the entire surface from corner to corner with <b>DULUX PRE-PAINT SMOOTHOVER™</b> Exterior &amp; Interior. Apply with a wet plastering trowel, skimming tool or large scraper, moving in an upward curve, maintaining a firm and even pressure. Refer to the TDS for more detailed application options</p> <p>On <u>exterior</u>, textured wall surfaces two coats, <b>DULUX RAINSHIELD</b> - Membrane free, flexible fibre reinforced waterproofing may be applied to achieve the required crack-bridging and waterproofing thickness of 300 microns dry film build, applied at a spreading rate of 3-4m<sup>2</sup>/litre, from corner to corner in strict accordance with application instructions for vertical wall surfaces.</p> |

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|  | <p><b>Treatment: Large non-structural cracks (+2mm), holes and corner cracks</b></p> <p>Open with an angular, triangular-shaped tool or disc grinder, in a V-shape to 3mm or larger. Cut on both sides of the wall. Treat fungal growth with either 4:1 water/chlorine, or 4:1 water/sodium hypochlorite or use a suitable fungal treatment (applied as per manufacturer's instructions). Ensure that the areas are completely saturated and allow the solution to react for a minimum of 4 hours. Rinse the complete wall surface thoroughly with clean water and allow drying. Apply a <b>DULUX PRE-PAINT QUICK SETTING CEMENT</b> for stabilised no-structural cracks in strict accordance with manufacturer instructions.</p> <p><b>Treatment: Movement/Expansion joints</b></p> <p>Install suitable joint installation system using the application guidelines of the manufacturer.</p> <p><b>Treatment: Friable plaster and mortar</b></p> <p><u>Plaster</u> of which the adhesion is suspect must be removed down to sound brickwork, and re-plastered to match existing. Plaster sand should comply with SABS 1090 requirements. Plaster mix must be applied at a minimum thickness of 10mm, curing to a hard and sound finish, free of soft and friable material. MPA strength must comply with SABS 0164-1 (10MPa=2, 6:1 and 5MPa=4:1).</p> <p><u>Mortar</u> pointing or grout in brickwork that is soft and friable, must be scraped out between the bricks and reinstated.</p> <p><b>Treatment: Concrete <u>spalling (carbonating)</u></b></p> <p>Occurs when the reinforcing steel in concrete corrodes. The corrosion is caused by the ingress of salt and carbon dioxide into the concrete. When steel corrodes, the rust has a larger volume than the original steel and this expansion breaks the surrounding concrete. Concrete where spalling (carbonating) occurs must be chipped away and removed. Prepare damaged and rusted steel reinforcing by cleaning away all corrosion down to bright, shiny metal. Paint with a corrosion resistant paint system. Inadequate cleaning, repair and painting, may lead to further contamination of the concrete. Re-instate with a lightweight cement mix, patching plaster, or fill with <b>DULUX PRE-PAINT EXPANDING FOAM</b>, in strict accordance with application instructions.</p> <p><b>Treatment: Mapping/repair witnesses / Rough, uneven plaster</b></p> <p>Apply <b>DULUX PRE-PAINT SMOOTHOVER™</b> Exterior &amp; Interior with a wet plastering trowel, skimming tool or large scraper, moving in an upward curve, maintaining a firm and even pressure.</p> <p>Apply only as much <b>DULUX PRE-PAINT SMOOTHOVER™</b> as needed (minimum of 2mm). It is advisable to build the film thickness in multiple layers rather than one thick coat (maximum thickness 5mm). Don't worry about small irregularities or 'tramlines'.</p> <p>Allow the final layer to dry for at least 2 hours before sanding with 100 grit sandpaper to a smooth finish. Thick applications or damp weather may require a slightly longer drying period.</p> <p>As an alternative to sanding, <b>DULUX PRE-PAINT SMOOTHOVER™</b> can be floated or polished. As soon as <b>DULUX PRE-PAINT SMOOTHOVER™</b> is touch dry (not fully dry), use a wetted foam trowel to polish the surface in a circular movement, cleaning and wetting the trowel between strokes to achieve the ultimate <b>DULUX PRE-PAINT SMOOTHOVER™</b> finish.</p> |
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|            | <p><b>DULUX PRE-PAINT SMOOTHOVER™</b> should be used from corner to corner to ensure plaster profile consistency. If used to patch poor plaster work, a difference in finish will be visually evident once over-coated in different lighting conditions, etc.<br/>applied with a 1:3 cement/sand mortar.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>2</b>   | <b>PREPARATION AND PRIMING</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>2.1</b> | <p><b><u>CLEANING</u></b></p> <p><b>Dirt, dust, loose/flaking paint and chalk must be removed before painting. Chalk is loose white powder from previous coating. It is easily detected by rubbing the surface with a black cloth.</b></p> <p><b>Exterior</b><br/>To remove flaking paint, chalkiness, as well as dirt, debris and salt deposits in a coastal environment, clean exterior walls by high-pressure water blast, using a rotating nozzle at a pressure of 180 - 220 Bar minimum. Remove any remaining <u>loose, flaking paint</u> from the surface with a sharp paint scraper and firm hand pressure. It is not necessary to remove well-bonded layers of paint. Crosshatch tests should be done on areas where the adhesion of paint is suspect. Feather edges of tightly bonded paint with rough to medium grit paper to smooth them off and provide an even surface without repair witnesses. N.B. For chalked paint that cannot be removed by washing, <b>DULUX TRADE BONDING LIQUID</b> may be applied to penetrate and bond the surface. For very absorbent surfaces wipe a black cloth over the dried single coat <b>DULUX TRADE BONDING LIQUID</b> applied and if a white residue is found on the back of the cloth apply 1 to 2 further coats of <b>DULUX TRADE BONDING LIQUID</b> to achieve correct binding and sealing properties</p> <p>Please note that <b>DULUX TRADE BONDING LIQUID</b> must be overcoated within 48 hours.</p> <p><b>Interior</b><br/>Wash interior wall surfaces with a solution of <b>DULUX PRE-PAINT SUGAR SOAP POWDER</b> using a clean cloth. This will ensure that any dirt and grease on the surface, as well as chalked paint, has been removed. Rinse thoroughly with clean water.<br/>Enamel surfaces to be over-coated with water-based paints: To aid adhesion, sand to a matt finish and apply <b>DULUX TRADE UNIVERSAL UNDERCOAT</b> or <b>DULUX SUPERGRIP</b>.</p> <p><b>Fungal growth (lichen and algae)</b><br/>Scrub with one of the following solutions: either 4:1 water/chlorine, or 4:1 water/sodium hypochlorite or use a suitable fungal treatment (applied as per manufacturer's instructions). Ensure that the areas are completely saturated and allow the solution to react for a minimum of 4 hours. Rinse the complete wall surface thoroughly with clean water and allow drying. In some instances, the fungi or algae may have to be wire brushed to open the spores and to aid the solution penetrating the pores and killing the fungi. Rinse the complete wall surface thoroughly with clean water and allow to dry before painting commences.</p> <p><b>Pre-cast concrete</b><br/>Acid etch the surface with a 5% solution of hydrochloric acid and clean water to remove laitance. More than one application may be necessary to achieve a paintable surface. N.B. Hydrochloric acid is corrosive - please wear protective clothing, gloves, masks and eye goggles against splashes. Allow the acid solution to react for 15 minutes and then wash away all acid with copious amounts of clean water. Remove excess water and allow thorough drying.</p> |

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|     | <p><b>Roofs</b></p> <p><b>Cement Tile</b></p> <p>To remove flaking paint, chalkiness, as well as dirt and debris, clean roof tiles by high-pressure water blast, using a rotating nozzle at a pressure of 180 - 220 Bar minimum. Remove any remaining loose, flaking paint from the surface with a sharp paint scraper and firm hand pressure, or scrub the entire roof area using a bristle brush and potable water. Cleaning will reveal areas adhesion of paint is still suspect, remove down to sound substrate with scraper blades and feather the edges. Old, Weathered Fibre Cement may be porous and encourage the growth of fungus. Scrub areas with an antifungal and allow reacting before rinsing of the residue thoroughly using potable water.</p> <p><b>Galvanised Iron</b></p> <p>Bristle scrub the surface with scourers and <b>DULUX GALVANISED IRON CLEANER</b>, following the recommendations on the packaging. Remove the cleaner residue using high-pressure water blast, using a rotating nozzle at a pressure of 180 - 220 Bar minimum, or scrub the entire roof area using a bristle brush and potable water. Test for a "water-break" free surface. Cleaning will reveal areas adhesion of paint is still suspect, remove down to sound substrate with scraper blades and feather the edges. Any white rust should be cleaned to bare shiny metal whilst red rust should be pacified using mechanical cleaning and a suitable rust converter. Through rust should not be cleaned or treated, but removed and new bolts, screws, hinges or sheets should be fitted. Severely rusted and pitted sheeting must be replaced.</p> <p><b>N.B.</b> When in close proximity to the ocean, it is important to ensure that surfaces are free of contaminants, specifically salt deposits, before painting can commence. Inter-coat <u>washing</u> is therefore essential.</p>                                         |
| 2.2 | <p><b>THE CORRECT USE OF PRIMERS</b></p> <p>The correct Dulux primer always be applied to a new substrate to ensure that it is sealed and to ensure coating adhesion. Substituting the primer with a non-primer, or an economical contractor's PVA may compromise the coating system, as the system is only as strong as its weakest link. The PVA may not perform adequately as a primer because alkali attack or any moisture in the structure can weaken it, resulting in loss of adhesion and failure of the entire coating system. For full application guidelines and product specific information, download the technical datasheets from <a href="http://www.dulux.co.za">www.dulux.co.za</a> or <a href="http://www.duluxtrade.co.za">www.duluxtrade.co.za</a></p> <p><b>DULUX TRADE ALKALI RESISTANT PRIMER</b> is recommended as a primer for smooth interior plaster surfaces, new and exposed ceiling boards, as well as new and exposed gypsum plaster (2-coat plaster). Surfaces must be allowed to dry out thoroughly – no more than 12% moisture content. For very absorbent surfaces such as gypsum plaster more than one coat <b>DULUX TRADE ALKALI RESISTANT PRIMER</b> could be required to achieve correct binding and sealing properties. Also recommended as a primer/sealer for all areas where crack filler has been applied. Crack filler is porous and if left unsealed, it will absorb binder from the topcoats, resulting in dull patches</p> <p><b>DULUX TRADE ECOSURE WATER-BASED PLASTER PRIMER</b> is an environmentally friendly primer for use on new dry interior and exterior porous surfaces such as brick, concrete, cement, most types of composite boarding and gypsum plaster. Also recommended as a primer/sealer for all areas where crack filler has been applied. Crack filler is porous and if left unsealed, it will absorb binder from the topcoats, resulting in dull patches.</p> |

Newly applied Gypsum Plaster can present variable surface finishes based on the application method, the quality and type of gypsum plaster used. This can present variability in the finish of the applied gypsum in terms of surface hardness, texture and porosity. This may require added attention during priming. Ensure the gypsum plaster is sound and non-friable, applied and cured as per the manufacturer's specification. If the gypsum is sound, apply a single coat **DULUX TRADE ALKALI RESISTANT PRIMER** or **DULUX TRADE ECOSURE WATER-BASED PLASTER PRIMER**. As gypsum plaster is a very porous surface, absorption of the applied plaster primer may occur. To test for this, wipe a black cloth over the dried applied **DULUX TRADE ALKALI RESISTANT PRIMER** or **DULUX TRADE ECOSURE WATER-BASED PLASTER PRIMER** respectively, to test its integrity. If a white residue is found on the back of the cloth, apply 1 to 2 further coats of **DULUX TRADE ALKALI RESISTANT PRIMER** or **DULUX TRADE ECOSURE WATER-BASED PLASTER PRIMER** respectively, to achieve the correct binding and sealing properties. After wiping down the gypsum plaster, no chalky powder should remain on the surface.

**DULUX TRADE PLASTER PRIMER – MOISTURE TOLERANT** may be used as an early primer for newly cement plastered walls, as it tolerates moisture of up to 30%. It protects topcoats from alkali attack and efflorescence. Substrate must be allowed to dry to 12% or below before topcoats can be applied.

**DULUX TRADE CORROCOTE 1** should be applied to all bare, well cleaned galvanised iron surfaces.

**DULUX TRADE STEEL PRIMER** should be applied to all bare, well cleaned and rust free, abrasive blast-cleaned mild steel and iron surfaces.

**DULUX GALVANISED IRON PRIMER** should be applied to all well-prepared galvanised iron and non-ferrous metals

**DULUX RUSTSHIELD ANTI RUST METAL PRIMER** should be applied to all correctly prepared mild steel & iron, galvanised iron, stainless steel, aluminium and chromadek

**DULUX SUPERGRIP** could be used on all rigid PVC, PVC gutters and down pipes, previously painted enamel surfaces, wood, ceramic tiles, new concrete, cement plaster, Melamine/Formica®, glass and galvanised iron surfaces that are sound, dirt, dust and grime free

**DULUX WOOD PRIMER** should be used on all bare wood surfaces that are dry, sound, with all knots and tannin blocked and treated using a suitable knotting sealer as per manufacturers instructions.

Magnesium Oxide (MgO) composition boards should be primed using **DULUX TRADE ALKALI RESISTANT PRIMER**, to prevent the alkali mineral salts in the board matrix, to chemically interact with the topcoat, preventing alkali burn and flaking.

Certain bright or ultra-deep (base 6) colours often present poor ability to cover, hence requiring numerous coats to obliterate the substrate. We recommend that the first finishing coat be tinted from a base 9 to a colour corresponding to the colour of the topcoat. This will reduce the number of topcoats required for full hiding.

| 3 | GENERAL PRECAUTIONS AND ADDITIONAL INFORMATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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|   | <ul style="list-style-type: none"> <li>• Colour references are as accurate as modern printing will allow. Digital colour representation can only serve as a colour guide. Please refer to the in-store stripe cards/standard card, or on-shelf colour displays for an accurate representation of the colour. Among others, the following factors may affect final colour appearance: product sheen and texture, colour and light reflections, application, surface texture and preparation. A wet sample applied to the wall that will be painted, will show the true colour of the final finish. It is advised to have the colour sample mixed using the same finishing product to be applied as the sheen levels could affect the perceived visual properties.</li> <li>• For best colour and sheen consistency, it is advisable to use containers of the same batch number, or to mix different batches together in a large container, or to finish in a corner before starting a new container.</li> <li>• Colour change and fading will take place at approximately 5% per year as per Florida standards, with the exception of bright and ultra-deep colours. This however will not affect substrate protection.</li> <li>• Before using any product, read the packaging. Note any special warnings or specialist applications needed. Visit the <a href="http://www.dulux.co.za">www.dulux.co.za</a> or <a href="http://www.duluxtrade.co.za">www.duluxtrade.co.za</a> for the latest Product Technical Datasheet and Material Safety Datasheets.</li> <li>• For detailed safety information, refer to Material Safety Data Sheets.</li> <li>• Keep all paint products out of reach of children and animals.</li> <li>• Ensure good ventilation during application and drying.</li> <li>• When using solvent-based paints, respiratory protection must be worn.</li> <li>• Do not smoke, eat or drink whilst handling.</li> <li>• Do not apply during cold, very hot or wet weather – surface temperatures should be between 10 and 35°C. Humidity will directly affect the drying and recoating times during application.</li> <li>• Adhere to preparation, application and curing instructions contained in Dulux Technical Data Sheets.</li> <li>• All products should be stored in a cool, dry, and well-ventilated space. Flammable products should be kept away from heat sources, direct sunlight and open flames. Always check warnings on packs.</li> <li>• Always plan your painting project well. Look at the weather conditions before painting commences to ensure that the conditions are suitable for the application to take place.</li> <li>• Always use the correct tools for the job. Especially the suitable roller and brush.</li> <li>• After painting, do not clean the newly painted surface for 7 days to allow the coating to cure and achieve the required features and benefits indicated. Only Clean the painted surfaces using DULUX PRE-PAINT SUGAR SOAP and a nonabrasive cloth</li> </ul> |



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| <b>4</b>  | <b>LEAD FREE</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|           | All Dulux products contain no added lead. However, surfaces that have been repainted or older surfaces may contain lead. Special precautions should be taken during surface preparation of old painted surfaces. For further advice, please contact the Dulux Technical Advice Centre                                                                                                                                                                                                                                                   |
| <b>5</b>  | <b>ASBESTOS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|           | Please note that in compliance to South African law, we are prohibited from giving advice on painting ASBESTOS. Asbestos regulations are strictly controlled; refer to "The Asbestos Regulations 2001, Section 43 of the OHS act 85/1993".                                                                                                                                                                                                                                                                                              |
| <b>6.</b> | <b>DISCLAIMER</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|           | <p>This technical specification is merely a guide to the user based on information given to Dulux. Should, during the course of the paintwork, circumstances arise in specific areas which require a change in the paint specification; Dulux will then provide the amended specifications.</p> <p>We wish to state that we have taken cognisance of the findings of all reports and the limited view we obtained from the site visit as well as all circumstances, but we exclude all possible structural &amp; substrate defects.</p> |