

RESTRICTED



PRETORIA METAL PRESSINGS

a division of Denel (Pty.) Ltd

SPECIFICATION FOR WATERPROOFING COMPOUND BP 41

DOCUMENT NUMBER: 107 0016 ISSUE 1

Should a Tenderer/Vendor not be able to meet the requirements of this document, it must be declared in writing to the Buying Manager at the time of tendering/receipt of an order.

DBS: B01
CODE NUMBER: VF 01107001603

TENDER

DATE 2023-11-26
COPY NO: 112
ISSUED BY: IP

(1128.wp)

RESTRICTED



TABLE OF CONTENTS

PARAGRAPH	SUBJECT	PAGE No
1.	SCOPE	3
2.	APPLICABLE DOCUMENTS	3
3.	REQUIREMENTS	3
3.1	General material requirements	3
3.1.1	Character	3
3.1.2	Environment conditions	3
3.1.3	Stability	3
3.1.4	Toxic products and safety	3
3.1.4.1	Toxicity	3
3.1.4.2	Safety	3
3.1.5	Identification and marking	3
3.1.6	Workmanship	4
3.1.7	Raw materials	4
3.2	Qualification inspection	4
4.	QUALITY ASSURANCE PROVISIONS	4
4.1	Responsibility for inspection	4
4.2	Quality conformance inspections	4
4.2.1	Lot identification	4
4.2.2	Submission of the product	4
4.2.3	Inspection	5
4.3	Test methods	5
5.	PREPARATION FOR DELIVERY	5
5.1	Packing	5
5.2	Package marking	5
5.3	Documentation for delivery	6

Should a Tenderer/Vendor not be able to meet the requirements of this document, it must be declared in writing to the Buying Manager at the time of tendering/receipt of an order.

TENDER
DATE 2023-11-06
COPY NO: 112
ISSUED BY: IP



1. SCOPE

- 1.1 This specification establishes the requirements for the manufacture and acceptance of Waterproofing compound BP 41. This specification is based on MIL-C-13783B (MR)

2. APPLICABLE DOCUMENTS

MIL-C-13783B (MR)

3. REQUIREMENTS

3.1 General material requirements

3.1.1 Character

The product shall consist of a black viscous liquid in accordance with MIL-C-13783B (MR) composition G with the characteristic smell of trichloroethylene.

3.1.2 Environment conditions

Not applicable.

3.1.3 Stability

Not applicable.

3.1.4 Toxic products and safety

3.1.4.1 Toxicity

Due to the moderate toxicity of this product care shall be taken during handling.

3.1.4.2 Safety

The packed product is a highly flammable mixture and should therefore be isolated from naked flames, electrostatic charges, sparks and shock.

3.1.5 Identification and marking

Only applicable if stated in the contract or order.

3.1.6 Workmanship

The composition shall be free from foreign matter and visible impurities.

Should a Tenderer/vendor not be able to meet the requirements of this document, it must be declared in writing to the Buying Manager at the time of tendering/receipt of an order.

TENDER

DATE 2023-11-30

COPY NO: 112

ISSUED BY: IP



3.1.8 Raw materials

All raw materials must comply with the relevant specifications, where applicable.

3.2 Qualification inspection

A manufacturer wishing to qualify as an approved supplier of this product must obtain approval by the following procedure:

A litre sample of the waterproofing compound shall be forwarded to the end user together with a declaration of composition.

This sample, if approved, will qualify the manufacturer as an approved supplier of waterproofing compound to this specification and will constitute the approved sample for a period of twelve months from date of approval.

Should a Tenderer/Vendor not be able to meet the requirements of this document, it must be declared in writing to the Buying Manager at the time of tendering/receipt of an order.

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection

4.1.1 The supplier is responsible for carrying out all such examinations, measurements and tests during or after manufacture to ensure that all supplied items are fully in accordance with the requirements of this specification unless otherwise stated in the contract or order.

4.1.2 The purchaser or his representative reserves the right to witness or verify any examinations, measurements and tests carried out by or on the behalf of the supplier.

4.1.3 The purchaser may also perform any such examinations, measurements and tests as he may deem necessary to ascertain the quality of the items supplied.

4.1.4 The supplier is responsible for the implementation of the applicable Quality Management systems based on SABS / ISO 9001 to assure the appropriate quality of the product. The purchaser reserves the right to audit the supplier's production facilities at all times to ascertain whether quality requirements are being met.

4.2 Quality conformance inspections

4.2.1 Lot identification

A lot shall consist of one batch of waterproofing compound produced by one manufacturer in accordance with the same specifications in one continuous set of operating conditions. The supplier shall ensure that all deliveries to the end user are fully traceable by lot numbers and that identification records are supplied to the end user to match lot numbers with inspection records.

4.2.2 Submission of the product

The composition shall be submitted in batches of five litre containers.

TENDER

DATE 2023-11-28

COPY NO: 112

ISSUED BY: IP



4.2.3 Inspection

The purchaser may take samples of any reasonable size from any portion of the consignment and if, on examination, any sample is found not to conform to this specification, the whole consignment may be rejected. The analysis of the compound must be within:

PROPERTY	LIMITS	TEST METHOD
Viscosity at 25°C	55-65 sec FC 4	LM 3/5.3
Density at 25°C	1,2 - 1,3 g/cm ³	LM 3/5.4
Hard dry	24 hours maximum	LM 3/5.7.2
Touch dry	15 minutes maximum	LM 3/5.7.1
Non volatile matter	38 - 42%	LM 3/5.5
Consistency	Homogeneous on stirring	LM 3/5.35
Surface skinning	None	LM 3/5.2.1
Gel	None	LM 3/5.2.2
Dry sediment	None	LM 3/5.2.3
Bend tests (3mm)	No cracking or adhesion loss	LM 3/5.17
Knife tests	It must come off in one piece	LM 3/5.31
Corrosion of brass	No sign of corrosion	LM 3/5.32

4.3 Test methods

The test methods used to verify the quality of the compound will be available to the supplier on request.

5. PREPARATION FOR DELIVERY

5.1 Packing

Should a Tenderer/Vendor not be able to meet the requirements of this document, it must be declared in writing to the Buying Manager at the time of tendering/receipt of an order.

The waterproofing compound must be supplied in quantities of five litres in sound, clean, airtight containers of an approved pattern, complying with statutory requirements and suitable for safe transport by hand or motor vehicle. Any deviations from these methods of packing, as well as the inclusion of any foreign matter or impurities in any of the containers, shall render the whole consignment liable to rejection.

5.2 Package marking

All containers are to be legibly and durably marked with any markings called for by statutory requirements and in addition with the following details:

- 5.2.1 Description as in the title of this specification.
- 5.2.2 Distinctive lot numbers.
- 5.2.3 Containers belonging to the same lot must be numbered consecutively in a closed series.
- 5.2.4 Nett mass.
- 5.2.5 Date of manufacture.

TENDER

DATE 2023-11-30

COPY NO: 112
ISSUED BY: IP



5.3 Documentation for delivery

The following documents must be forwarded with each consignment:

- 5.3.1 A certificate of conformance stating that the material submitted is correct and conforms to this specification. This certificate of conformance shall be attested by a designated representative of the supplier and shall provide the results obtained in respect of all inspections, tests and analysis performed on the final lot.
- 5.3.2 The Acceptance Authority reserves the right to inspect Analysis Certificates as well as in-house Laboratory Certificates of raw materials used during the manufacture of the applicable lot of composition.
- 5.3.3 The Acceptance Authority reserves the right to inspect all analysis, control charts or other records kept during the manufacture of a specific lot of compound, at any reasonable time.

AMENDMENT HISTORY

Issue	Details	Job No	Done by	Date
One	Quantity of containers altered. Retype specification.	E2/051/02SA	I.P.	21/05/2002

Should a Tenderer/Vendor not be able to meet the requirements of this document, it must be declared in writing to the Buying Manager at the time of tendering/receipt of an order.

TENDER

DATE 2023-11-26

COPY NO: 112

ISSUED BY: IP