

T2.2.1 RETURNABLE DOCUMENTS APPLICABLE TO ALL PACKAGES

RS 1.1 MATERIALS AND METHOD OF MANUFACTURE OF STEEL SHELLS AND SPECIALS

Name of manufacturer		
Place of manufacturer		
Name of manufacture of steel strip		
Place of manufacture of steel strip		
Description of method of fabrication of pipes		
Description of method of welding		
Details of welding electrodes and fluxes:		
Steel	Electrode	Flux
Grade:		
Description of hydrostatic testing equipment		
Facilities and equipment for non-destructive testing of welds:		
Radiographic examination		
Facilities and equipment for testing to destruction of welded strips :		
Tensile testing		
Guided bend testing		

DETAILS AND METHODS OF COATING AND LINING (REFER TO TECHNICAL SPECIFICATION)

DETAILS OF MATERIALS, EQUIPMENT AND PLANT, AND SUB-CONTRACTORS

RS 1.2 DETAILS OF EPOXY LINING MATERIAL (See Clause for Protective Lining and Coating)

General

Type / brand

Manufacturer

Supplier

Delivery period after order (in weeks)

Conformance to TS2.10 YES / NO

If not, supply details of other specification(s)

Technical Specification / Brochure included: YES / NO

Note : Include technical details during tender stage.

Mixing and thinning instructions included: YES / NO

Recommended type and quantity of solvent required for thinning during application:

Type :

Quantity (λ per λ) :

Pot life of mixed product (hours):

Mixing ratio

Maximum recommended dry film thickness per coat (mm):.....

Recommended time intervals between coats (hours):.....

Recommended minimum and maximum pipe surface temperature during application ($^{\circ}\text{C}$):

Time for complete drying and curing on steel surface (hours) :

Recommended humidity during application :

Recommended field repair kit :

Type / brand :

Manufacturer :

Supply technical details : YES / NO

- **EPOXY MIXER / PLANT / EQUIPMENT**

Type of machine

Normal batch capacity (m³)

Method of batching epoxy

.....
Number of machines available

- OTHER PLANT / EQUIPMENT THAT WILL BE PLACED ON THE WORK (CONTRACTOR TO SPECIFY):

Description	Number available
(i)	
(ii)	
(iii)	
(iv)	
(v)	

RS 1.3 DETAILS OF POLYMER MODIFIED BITUMEN MATERIAL (PMB) ((See Clause for Protective Lining and Coating)

General

Type / brand

Manufacturer

Supplier

Delivery period after order (in weeks)

Conformance to TS2.10 9.2: YES / NO

If not, supply details of other specification(s)

.....
Technical Specification / Brochure included: YES / NO

Note : Include technical details during tender stage.

Mixing and thinning instructions included : YES / NO

Recommended type and quantity of solvent required for thinning during application :

Type :

Quantity :

Maximum recommended dry film thickness per coat (mm):.....

Recommended time intervals between coats (hours):.....

Recommended minimum and maximum pipe surface temperature during application (°C):
.....

Time for complete drying and curing on steel surface (hours) :

Recommended humidity during application:

Recommended field repair kit :

Type / brand :

Manufacturer :

Supply technical details : YES / NO

• **PMB / PLANT / EQUIPMENT**

Type of machine :.....

Normal batch capacity (m³)

Method of batching PMB

.....
Number of machines available

- OTHER PLANT / EQUIPMENT THAT WILL BE PLACED ON THE WORK (CONTRACTOR TO SPECIFY):

Description	Number available
(i)	
(ii)	
(iii)	
(iv)	
(v)	

DETAILS AND EXPERIENCE OF SUB-CONTRACTORS

Please provide on a separate A4 sheet the name, physical address, equipment that will be used (if different from those listed above) and list the experience (relevant projects / contracts) and references of the Sub-Contractor that will be used. The Engineer's approval will have to be obtained, should the Contractor decide to change this Sub-Contractor during the course of the Works:

RS 1.3.1 EPOXY LINING

- SURFACE PREPARATION FOR EPOXY PAINTING

Name of Sub-Contractor :

Physical address and telephone number :

.....

Equipment :

.....

.....

Experience:

Year completed	Description of Works	Contract Value (R)	Name and telephone number of reference

- EPOXY LINING APPLICATION

Name of Sub-Contractor :

Physical address and telephone number.....

.....

.....

Equipment :

.....

.....

Experience:

Year completed	Description of Works	Contract Value (R)	Name and telephone number of reference

- **CLEANING OF PIPES**

Name of Sub-Contractor :

Physical address and telephone number

.....

.....

Equipment :

.....

.....

Experience:

Year completed	Description of Works	Contract Value (R)	Name and telephone number of reference

RS 1.3.2 POLYMER MODIFIED BITUMEN COATING (PMB)

- SURFACE PREPARATION FOR POLYMER MODIFIED BITUMEN COATING

Name of Sub-Contractor :

Physical address and telephone number:.....

.....

Equipment :

.....

.....

Experience:

Year completed	Description of Works	Contract Value (R)	Name and telephone number of reference

- POLYMER MODIFIED BITUMEN COATING APPLICATION

Name of Sub-Contractor :

Physical address and telephone number:.....

.....

Equipment :

.....

Experience:

Year completed	Description of Works	Contract Value (R)	Name and telephone number of reference

- **CLEANING OF PIPES**

Name of Sub-Contractor :

Physical address and telephone number:.....

.....

.....

Equipment :

.....

.....

Experience:

Year completed	Description of Works	Contract Value (R)	Name and telephone number of reference