



DURATHANE P SPRAY GRADE

Issue No.01 Sep 2016

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PRODUCT DESCRIPTION

A high build solvent free urethane pitch anticorrosive coating. Highly resistant to marine and industrial environments, buried conditions, ground water, effluents, salt water, and a wide range of oils and chemicals. Extremely abrasion resistant, flexible with high mechanical strength.

INTENDED USES

Designed for the efficient long term protection of steel and concrete structures in aggressive environments. Provides long term protection to pipelines, chemical plants, land and marine structures etc. High mechanical strength. Service temperature range -20°C to +80°C.

Meets the requirements of T/SP/CW6 Part 1 for External Pipe Protection

Meets the performance requirements of BS EN 10290

TECHNICAL INFORMATION

Colour	Black
Finish	Semi-gloss
Curing Agent	Durathane P Spray Applied Activator
Mix Ratio	3 parts Base : 1 part Activator by volume
Specific Gravity	Base: 1.26 Activator: 1.22 Mixed: 1.25
Volume Solids	100%
Recommended Film Thickness	1.0 - 1.5 mm depending on service conditions. Can be applied up to 5 mm in one continuous wet on wet application.
Theoretical Spreading Rate	1 m ² / litre @ 1000µm
Application Method	Plural component hot airless spray
Re-coat	After 1 hour and within 24 hours of initial application.
Drying Times at 20°C	Touch Dry 30 minutes Hard Dry 4 hours
Full Cure at 20°C	7 days to Shore D55-65

SURFACE PREPARATION

Steel:

Ensure surfaces are free from contamination. Abrasive blast with grit to minimum BS 7079 standard SA 2 ½ - surface profile depth 75-100 microns.

Concrete:

Remove all laitance and other contaminants by blast cleaning. Ensure the concrete is dry to a reading of less than 10% moisture. Seal with Versacure Mortar LV Sealer.



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APPLICATION

The temperature of the substrate must be at least 3°C above the dew point during application and relative humidity below 80%.

The surface must be kept clean and dry, and Durathane P or DURA-LINK TC applied within 4 hours and before any visible signs of deterioration of the cleaned surface.

Application by two component spray system set at 3:1 mixing ratio.

Base temperature approx. 35 - 55°C

Hardener temperature approx. 15 - 25°C

Spray Tip Size 600 - 1000 microns (0.024 - 0.038 ")

Cleaning solvent. All equipment must be cleaned thoroughly immediately after use with **Pracsolv 1**

REGULATORY DATA

Packaging Supplied in 820 litre units consisting of 3 x 205 litres base:1 x 205 litre hardener

and 80 litre composite packs consisting of 3 x 20 litres base:1 x 20 litre hardener

Flash Point 200°C

VOC 0 g/litre

Shelf life: 24 months from date of manufacture when stored in the original sealed containers at 20°C.

SAFETY PRECAUTIONS

Refer to the product Material Safety Data Sheet supplied by Advanced Barrier Coatings Ltd.

Ensure all waste materials and empty containers are disposed of in accordance with local regulations.

Disclaimer

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