

PRODUCT TECHNICAL INFORMATION

ITA/ATEXP/472

Rev. 01 16/02/10

PARATHANE COATING

ONE COMPONENT POLYURETHANE COATING

CLASSIFICATION:

Solvent based and coloured one component polyurethane resin.

Class EEC n° 2505/92: 3909 50 00.



SCOPE OF APPLICATION:

Use as a coating for inside and outside waterproofing applications on a variety of substrates:

- Cement and concrete
- Ferrous and non-ferrous metals
- Woods
- Old resin coatings

TECHNICAL CHARACTERISTICS:

- Density: 1.3 at 20°C (ISO 1675)
- Viscosity: 5000 mPa.s at 20°C (ASTM D2100)
- Dry content: 92% in volume
- Hardness: 70 Shore A (ASTM D2240)
- Tensile elongation: 450% (EN-ISO 527-3)
- Tensile strength: 8.8 Mpa (EN-ISO 527-3)
- Vapour transmission rate: 27 g/m².d (22°C and 95% RH)
- Abrasion resistance: excellent
- Adherence on concrete: 3.2 MPa
- Aspect: satin/gloss
- UV resistance: very good at 2000 h of QUV (ASTM G53)
- COV content : 222 g/l

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APPLICATION:

PARATHANE COATING is applied by roller, brush or airless gun with or without addition of **PARATHANE ACCELERATOR**.

The addition of PARATHANE ACCELERATOR allows the application of the resin in thick layer (>750 g/m²) or in bad conditions of temperature and/or moisture.

Mix thoroughly before application .

COMPSUMPTION:

The average thickness should be >1.2 mm with the following yield:

- First layer on primer: 0.750 kg/m²
- Second layer: 0.750 kg/m²

APPLICATION CONDITIONS:

- Minimum temperature: > 0°C
- Maximum temperature: < 40°C
- Relative humidity: < 90%
- The surface of the substrate should be dry and at least +3°C above the dew point.
- Coating: The maximum delay between coats is 12 hours at 20°C and 75% RH.

DRYING CONDITIONS:

At 20°C and 75% RH for a 600µ dry film:

- Open time: 1 hr
- Dust free: 3 hrs
- Touch dry: 6 hrs
- Walk ability: 12 hrs
- Complete curing: 5 days

CLEANING :

Clean the materiel with xylene, ketone or M.E.K

PACKAGING/STORAGE :

PARATHANE COATING is supplied in 1, 6 , 25 kg or 15L cans.

Cans should be stored in dry and cool environment. Maximum shelf life is 12 months (in original full and sealed cans).

Protect the product against moisture, direct sunlight and extremes of temperature.

Storage temperature: 5°C to 35°C.

PARATHANE COATING is flammable and must be stored away from sources of ignition.

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COLOUR CHART:

The grey colour (RAL 7038) is the standard colour.

Other colours are available on to special order with the following colour chart :

- Beige (RAL 1014), Red (RAL 3013), Green (RAL 6021), Ivory (RAL 1015), white (RAL 9010).

HEALTH & SAFETY:

PARATHANE COATING contains isocyanates. See Health & Safety information supplied by manufacturer.

Contains xylene. Flammable Keep away from fire sources.

Our technical advice-whether verbal, written or by way of trials- is given in good faith, but without warranty, and this also applies where proprietary rights of third parties are involved. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended processes and uses. The application, use and processing of the products are beyond our control and therefore, entirely your own responsibility. Should, in spite of this, liability be established for any damage that occurred due to defective material, it will be limited to the value of the goods used by you at this point of damage. We will, of course, provide products of consistent quality within the scope of our General Conditions of Sale and Delivery.