

PRODUCT TECHNICAL INFORMATION

ITA/AATEXP/494

Rev. 1 – 16/02/10

PARATHANE GEL COATING

ONE COMPONENT POLYURETHANE COATING

CLASSIFICATION

Coloured one component polyurethane resin slightly solvented.
Class EEC n° 2505/92:3909 50 00



SCOPE OF APPLICATION

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

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

TECHNICAL CHARACTERISTICS

Density: 1.3 at 20°C (ISO 1675)
Viscosity : 5000 mPa.s at 20°C (ASTM D2100)
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/m ² .d (22°C and 95% RH)
Abrasion resistance : excellent
Adherence on concrete : 3.2 MPa
Aspect : satin / gloss
UV resistance : very good at 2000h of QUV (ASTM G53)
VOC content : 104 g/l
Dry content : 92% in volume

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APPLICATION

PARATHANE GEL COATING is applied with a roller or brush with or without addition of potable water.

The addition of potable water allows the application of the resin in thick layer (500 to 750g/m²) onto vertical surfaces.

Mix thoroughly 10% of potable water using a mechanical stirrer before application.

Wait 10min to get the thickening of the product.

COVERAGE RATE

If the required thickness is 1.2mm follow the two stages :

- 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%
Coating : the maximum delay between two coats is 12 hours at 20°C and 75% RH
The surface of the substrate should be dry and at least +3°C above the dew point.

DRYING CONDITIONS

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

Open time : 1h

Dust free : 3h

Touch dry : 6h

Walability : 12h

Complete curing : 5 days

CLEANING

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

PACKAGING/STORAGE

PARATHANE GEL COATING is supplied in 5 kg cans.

Cans should be stored in a dry and cool environment.

Maximum storage 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 GEL COATING is flammable and must be stored away from sources of ignition.

COLOUR

Grey colour (RAL 7040) is the standard colour.

HEALTH & SAFETY

PARATHANE GEL COATING contains isocyanates.

See Health & Safety information supplied by manufacturer.

Contains xylene, flammable.

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