

PRODUCT DATA SHEET

DUROPROOF™ TTC

SINGLE-PACK ALIPHATIC TOP COAT



DESCRIPTION

DUROPROOF™ TTC is a high performance, high chemical and UV resistant, hand-applied, moisture curing single-pack polyurethane topcoat. DUROPROOF™ TTC is vehicle or foot trafficable. DUROPROOF™ TTC has been tested to pass accelerated UV testing using UVB light at 2000 hours.

FEATURES

- 68% Solids
- Easy to use and apply
- Quick skin building time and tack free surface
- Good UV resistance and light stability
- High resistance to puncture
- High resistance to fouling
- High resistance to chemicals

USE AREA

DUROPROOF™ TTC is formulated as a highly UV stable trafficable top coat over DUROPROOF™ Polyurethane membranes to give greater long term UV protection and colour fastness thereby extending the life and performance of the waterproofing membrane.

COVERAGE

1 coat of 250-400 g/m² will provide a durable layer of 0.15-0.25 mm. Final dry film thickness must be a minimum of 0.2 mm (200 micron).

The number of coats will depend on the degree and type of traffic.

For light foot traffic a single coat at 400 g/m² is recommended.

For heavy foot traffic and vehicular traffic two coats of 400 g/m² is recommended.

TECHNICAL INFORMATION

Hardness (Shore A)	90 ± 5
Tensile Strength	> 30 Mpa
Elongation	>140%
Non Volatiles	68 ± 2%
Tack Free Time*	3 hours
Curing Time*	12 hours
Service Temperature	-20°C to +80°C
Density (Liquid)	1.04g/cm ³
Density (Solid)	1.12g/cm ³
Recommended substrate temperature	+5°C to +35°C
Recommended substrate moisture	Up to 5%
Colour	Grey
UV resistance	
UVB-313-EL Lamp Wavelengths ~310nm Irradiance: 0.71 W/m ² /nm 4 hours UV @ 60°C + 4 hours Humidity @ 50°C	2000 hours accelerated testing, no visible cracks, blister or chalk

PACKAGING

15 Litre.



APPLICATION

DUROPROOF™ TTC is supplied in ready-to-use pails. DUROPROOF™ TTC must be mechanically mixed before application. Shaking the pail will not provide sufficient mixing to the product. Mix the product for 2-3 minutes at 300-400RPM with a power drill with a paint mixing tool attachment. Avoid introducing air into the product when mixing.

DUROPROOF™ TTC should be applied with a squeegee (wiper) or roller.

DUROPROOF™ TTC can be subject to light pedestrian traffic after 24 hours. It is recommended to allow 7 days of curing for vehicle traffic.

The cure rate of DUROPROOF™ TTC will depend on the ambient and substrate temperatures as well as the relative humidity. In colder climates the cure rate will be prolonged which will increase the pot life, re-coat interval and working time. Conversely, at higher temperatures the cure rate will be reduced which will decrease the pot life, re-coat interval and working time.

If using DUROPROOF™ TTC on waterproofing membranes, make sure that the appropriate reinforcing fabric or bond breakers have been used in angled sections to avoid expansion movement damage. Please consult your waterproofing supplier or AS4654.2 for additional information.

DUROPROOF™ TTC should not be used in ponding water areas.

In extremely cold conditions, heating units should be used to bring the product back to 15-25°C to allow for workability.

Re-coating instructions: In normal conditions, DUROPROOF™ TTC can be re-coated with another layer of DUROPROOF™ TTC after 12 hours and before 36 hours. Contact your Durotech representative with any questions.

Diluting: DUROPROOF™ TTC should not be diluted unless under the instruction of a Durotech representative.

CLEAN-UP

Reusable tools should be cleaned carefully with DUROTECH™ XYLENE.

SHELF LIFE

Shelf life of sealed DUROPROOF™ TTC in its original unopened packaging is 12 months. Always store closed containers in cool, ventilated and dry location, away from heat and oxidizing agents. Do not store in direct sunlight or in temperatures below 5°C or above 35°C.

CAUTION

Spills are difficult to remove. Wet tools can be cleaned with DUROTECH XYLENE. Do not allow any of these products to enter drains and waterways.

SAFETY & PRECAUTIONS

Refer to the DUROPROOF™ TTC Material Safety Data Sheet available on the Durotech website. DUROPROOF™ TTC is flammable. Keep all flames and ignition sources away from the product. The wearing of gloves, goggles, coveralls and safety footwear is highly recommended. DUROPROOF™ TTC is a Class 3 dangerous goods which must be declared prior to transportation. For full safety details refer to the products Material Safety Data Sheet available on durotechindustries.com.au. For further information about this product contact technical department of Durotech Industries 1300 434 272.

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