

DELTAshield F 100 TC

TWO COMPONENT ALIPHATIC ACRYLIC POLYURETHANE TOP COAT

DESCRIPTION

DELTAshield F 100 TC is a two component chemically curing aliphatic acrylic polyurethane coating. It has a glossy finish with very good gloss retention. It is a high solid, high build product. It is fast drying. It can be used direct to metal. The coating is highly flexible, impact resistant and has excellent adhesion. To be used as topcoat in atmospheric environments.

TYPICAL USES

- ✓ As a top coat suitable for a wide range of industrial structures; marine, offshore environments, bridges and buildings.
- ✓ As a top coat for all DELTAshield systems.

FEATURES

- ✓ Provides a tough, abrasion resistant finish with excellent gloss and colour retention, even under severe exposure conditions.
- ✓ **DELTAshield F 100 TC** is a Chlorine resistant finish which makes it an ideal solution for pool areas.
- ✓ Resistant to spills of most oils, aliphatic petroleum products and non-aggressive chemicals

PRODUCT INFORMATION

| PHYSICAL PROPERTIES | DATA | |
|----------------------------|-------------------|-----------------------------|
| Solids by volume | ISO 3233 | 64 ± 2% |
| Gloss level (GU 60 °) | ISO 2813 | Gloss (70-85) |
| Flash Point | ISO 3679 Method 1 | 25 °C |
| Density | Calculated | 1.2 kg/l |
| VOC | | 344 g/l |
| Dry film thickness | | 50 – 150 µm |
| Pot life | | 1 h @ 23 °C |
| Wet film thickness | | 80 – 230 µm |
| Theoretical spreading rate | | 1.3 – 4.3 m ² /l |

Bright colors may need film thickness in the high end of recommended specification range to achieve opacity

SURFACE PREPARATION

Ensure surfaces to be coated are dry and free from all traces of surface contaminants.

MIXING & APPLICATION NOTES

DELTAshield F 100 TC can be applied by:

- Spray: Use air spray or airless spray.
- Brush: May be used Care must be taken to achieve the specified dry film thickness.
- Roller: May be used. Care must be given to achieve the specified dry film thickness.

DELTAshield F 100 TC can be mixed by:

- Comp A: 4 part(s)
- Comp B: 1 part(s)

Guiding data for airless spray

- Nozzle tip (inch/1000): 15-21
- Pressure at nozzle (minimum): 150 bar/2100 psi

Guiding data for air spray

- Nozzle tip (inch/1000): 13-21 (HVLP) / 1.3-2.1 mm (pressure pot)
- Pressure at nozzle (minimum): 2.4 bar/34 psi (HVLP) / 2.4 bar/34 psi (pressure pot)

DRYING AND CURING TIME

| SUBSTRATE TEMPERATURE | 5 °C | 10 °C | 23 °C | 40 °C |
|------------------------------|------|-------|-------|-------|
| Surface (touch) dry Walk-on- | 6 h | 3 h | 1.5 h | 1 h |
| dry | 16 h | 8 h | 4 h | 2 h |
| Dry to over coat, minimum | 12 h | 6 h | 3 h | 1.5 h |
| Dried/cured for service | 15 d | 10 d | 7 d | 4 d |

EQUIPMENT CLEANING

Equipment can be cleaned with paint thinner and common solvents immediately after use. Note that hardened material can only be removed mechanically

STORAGE

Approximately 24 months from the date of manufacture, when kept in original containers under standard storage conditions.

PACKAGING

Component A 4 / 16 liters per pail

Component B 1 / 4 liters per pail

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Valid is only the actual version of this technical data sheet in each case.

* VIPDELTA recommends that in all applications involving chemicals a pre-test of the lining's suitability in the customer's application is conducted. Consult with VIPDELTA Technical Team.

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Version: October 2019-001