



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 kg per pail
Component B	1 / 4 kg per pail

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

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

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