



All Purpose Durable Coatings

Altex Altra~Shield 2000 Multi-Purpose Epoxy Coating

- Versatile epoxy, can be used as a primer, build coat and/or finish coat
- Excellent solvent and chemical resistance
- Versatile - Can be applied directly to suitably prepared steel, galvanised steel or concrete
- Tintable to a wide range of colours
- Has MAF - Meat, Game and Seafood approval
- Low VOC/High solids
- Durable and abrasion resistant



Altex Altra~Shield 2000®

Multi-Purpose Epoxy Coating

FEATURES

Advantages:

- Fast cure at normal temperatures
- Rapid Dry-to-Recoat
- Excellent solvent and chemical resistance
- Low VOC/High solids
- Versatile - Can be applied directly to suitably prepared steel, galvanised steel or concrete
- Self priming
- Tintable to a wide range of colours
- Can be topcoated with all Devthane, E~Line® coatings and Chem~Bar 900™

Limitations of Use:

- Tinted colours not suitable for immersion and may have reduced resistance to chemicals and solvents
- Darker colours will scratch/abrade to a lighter colour so should be avoided on critical decorative surfaces such as showroom floors.
- Will chalk on exposure to sunlight and some colours may also yellow. This will not impair protective qualities
- Cure is slowed down at temperatures below 10°C

Performance Data:

- Salt Spray Resistance (Cyclic Prohesion Testing) 2500hours - Excellent
- Immersion Resistance (5% Salt Solution) 2500 hours - Excellent
- Chemical Resistance (ASTM D1308, 24 hour contact) - Excellent. Resists 35% Sodium Hydroxide, 10% Ammonia, 10% Hydrochloric Acid, 10% Sulphuric Acid, 5% Sodium Hypochlorite, Petrol, Ethanol, Motor Oil, Xylene, MEK, Ethylene Glycol

RECOMMENDED USES

Altra~Shield 2000® is a high performance, multi-purpose high build epoxy coating available in a wide range of tinted colours. Pre-mix standard colours maybe used in immersion service and high wear service such as flooring.

Altra~Shield 2000® is recommended for use:

- On general structural steel where an economical and aesthetic high performance finish is required.
- In industrial environments where good chemical resistance is required, such as
 - Pulp and Paper Plants
 - Sewage and Waste Plants
 - Fertiliser Works-Power Generation Plants
 - Food Processing Plants
- As a Tank Lining-Ballast tanks, bilges and other water containment structures
 - Potable water tanks
 - Cargo, chemical and fuel tanks - contact Altex Coatings for details
- On concrete floors in service areas such as workshops and factories - refer to "Darker Colour" notes under "Limitations of Use" in opposite information panel.

As a coloured intermediate coating under all E~Line finishes.

Approvals:

- MAF - Meat, Game and Seafood AS 4020 - Potable Water - White, Black & Haze Grey only. (Tanks ≤ 3000 litres - refer Altex Coatings)

SPECIFICATION DATA

Coating Type:	Polyamide Epoxy
Standard Colours:	White & Haze Grey (Tinted Colours also available)
Packaging:	1.25*, 5 and 10 litre Two component kits (Non-Skid version - 6 litre Two component kit) *Standard colours only
Mix Ratio:	4 to 1 by volume (Non-Skid version - 2 to 1 by volume)
Gloss:	Low Sheen
Flash Point:	27°C
Thinner:	1/2 Thinner (For potable water tanks use X-100)
Pot Life:	4 hours at 25°C
Induction Time:	Summer - Not required Winter -15 minutes
Storage:	Store under cool, dry conditions

Density:	1.85 kg per litre		
VOC:	211 grams per mixed litre		
Temperature Resistance:	120°C Dry		
Theoretical Volume Solids (Mixed):	75%		
Theoretical Coverage Rate:	5 sq metres per litre at 150 microns dry		
Non-Skid Theoretical Coverage Rate:	1.5 - 2.5 sq. metres per litre depending on desired texture and quality of substrate.		
Recommended Film Thickness Per Coat:	150 - 200 microns dry		
Application:	Spray, brush or roller		
Dry Times (150 µm DFT / 50% RH):	10°C	15°C	25°C
	Touch Dry	9 Hrs	6 Hrs
	Hard Dry	15 Hrs	9 Hrs
	Minimum Recoat	8 Hrs	5 Hrs
			4 Hrs

Maximum Recoat dependant on topcoat to be used. Refer specification data or consult Altex Coatings.