



High Performance, Ultra High Build Epoxy

Altex Altra~Max® Ultra High Build Epoxy Coating

- Ultra-High Build – 0.8mm to 2 mm in a single coat
- Positive cure, even at low temperatures
- Abrasion resistant
- Unique flexibilised formulation imparts excellent impact resistance
- May be used on buried structures, structures immersed in fresh or salt water, and for atmospheric exposure
- Suitable for use with cathodic protection systems - impressed current or anode types
- Low density of 1.09 - heavy duty protection with minimal added weight
- Thermal insulation qualities minimise surface condensation problems on cold surfaces or heat loss from warm cargo spools etc.
- Easy application qualities using properly set up standard heavy-duty airless spray equipment

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FEATURES

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Performance Data:

Adhesion & Cohesion	> 1000 psi
Intercoat adhesion - 1 year between coats	> 1000 psi
Impact Resistance	Excellent

Cathodic Disbondment:-

AS/NZS 4352:1995 Test Cell A (concentric pot) ~ ASTM G8-90:
 Benchmark Accelerated Test - 9mm 'holiday', aqueous electrolyte (1% NaCl, 1% Na₂SO₄, 1% Na₂CO₃) 3000mV at 25°C for 90 days - 1500 micron film. ∅

No effect on adhesion, no undercutting, no blistering.

RECOMMENDED USES

ALTRA~MAX UHBE is a two component proprietary modified high solids, heavy duty epoxy coating designed for application to system film thicknesses ranging from 800 microns through to 3 millimetres (3000 microns).

ALTRA~MAX UHBE may be applied using industry standard airless spray equipment of sufficient capacity.

ALTRA~MAX UHBE is suitable for service in immersion, on buried structures, and on high wear surfaces in atmospheric exposure.

ALTRA~MAX UHBE is recommended for severe environments such as:-

- Offshore oil and gas platforms
- Wharf piles
- Buried LPG bullets
- Work decks – with or without broadcast aggregate
- Mining industry slurry tanks
- Equipment protected by cathodic protection; either impressed current or sacrificial anode - buried or immersed in water

SPECIFICATION DATA

Coating Type:	Proprietary phenalkamine cured ultra-high build epoxy coating	Density:	1.07 kg per mixed litre (1.09 kg/lit cured)
Colour:	Pale beige	VOC:	65 gm per litre
Packaging:	8 litre - two component kit	Temperature Resistance:	120°C dry
Mix Ratio:	2:1 by volume	Volume Solids (Mixed):	95%
Gloss:	Textured sheen	Theoretical Coverage Rate:	0.95 square metres per litre at 1000 microns dry
Flash Point:	27°C	Recommended Film Thickness Per Coat:	1052-2104 microns wet to obtain 1000-2000 microns dry
Thinner:	Thinner 1/2	Application:	Airless Spray
Pot Life:	1 hour at 25°C	Dry Times (1500 µm DFT / 50% R.H. / 25°C):	
Induction Time:	5 minutes with thorough mixing	Touch dry	4 hours
Storage:	Store under cool, dry conditions	Hard dry	18 hours
		Minimum recoat	12 hours
		Maximum recoat	15 days