

FEATURES

- Excellent adhesion
- Excellent corrosion resistance at recommended film thicknesses
- Light grey colour permits good finish coat hiding
- Excellent re-coatability with various types of finishes
- Low odour and a high flash point
- Low VOC
- Suitable for use on properly prepared concrete floors
- May be applied to damp concrete

RECOMMENDED USES

Altra~Shield WB Primer is a high performance, chemically cured, waterborne epoxy rust inhibitive primer for use over properly prepared interior or exterior steel or aluminium surfaces. Also used over concrete, masonry, glazed brick or ceramic tile.

Altra~Shield WB Primer features excellent adhesion, corrosion resistance, and good resistance to splash, spillage or fumes of a wide range of chemicals.

Altra~Shield WB Primer can be over-coated with epoxy, urethane, alkyd or latex coatings.

Light grey colour permits good coverage with first finish coat.

Not recommended for use on galvanized metal in ponding situations such as low pitch roofing.

SPECIFICATION DATA

Coating Type:	Waterborne Epoxy Primer
Colour:	Light Grey
Packaging:	5 litre - 2 component kit
Mix Ratio:	4:1 (Base : Converter)
Gloss:	Flat
Flash Point:	> 93°C
Thinner:	Water
Pot Life:	8 hours at 25°C – inclusive of induction time
Induction Time:	30 minutes
Storage:	Store under cool, dry conditions

Density:	1.37 kg / litre mixed
VOC:	193 grams / litre mixed
Temperature Resistance:	121°C dry
Volume Solids (Mixed):	47%
Theoretical Coverage Rate:	
	9.4 square metres per litre at 50 microns dry
	6.3 square metres per litre at 75 microns dry
	4.5 square metres per litre at 100 microns dry
Recommended Film Thickness Per Coat:	
<u>Steel:</u>	160-213 microns wet to obtain 75-100 microns dry
<u>Other Surfaces:</u>	106-160 microns wet to obtain 50-75 microns dry
Application:	Spray, brush, or roll
Dry Times (75 µm DFT / 50% R.H. / 25°C):	
Touch:	2 hours
To Recoat:	Overnight & up to 1 week

SURFACE PREPARATION

All surfaces must be sound, dry, clean and free of oil, grease, dirt, mildew, form

release agents, curing compounds, loose and flaking paint and other foreign substances.

NEW SURFACES: STEEL- Best results are obtained over a surface sandblasted to AS 1627.4 Class 2 Commercial Blast (SSPC-SP6). Performance over hand or power-tool cleaned surfaces is dependent on the degree of cleaning. Prime with this product. If rust staining occurs, apply a second coat of this product.

ALUMINUM - Remove oils and dirt with a non-sudsing cleaner followed by thorough water rinsing or by solvent cleaning. Prime with this product.

CONCRETE AND MASONRY - Cure at least 28 days at 20°C or equivalent before painting. pH must be 10.0 or lower. Remove laitance and roughen slick poured or precast concrete by acid etching or sandsweeping.

Follow acid manufacturer's application and safety instructions. Rinse thoroughly and allow to dry. Remove loose aggregate. Prime with this product.

PREVIOUSLY PAINTED SURFACES: If the old paint is more than 25% failed by rusting, peeling, or flaking, it must be removed and treated as a new surface. If less than 25% has failed, clean the failed areas and spot-prime with this primer. Old coatings must be tested for lifting. If lifting occurs, remove them. Scuff sand glossy areas and aged epoxy coatings.

DIRECTIONS FOR USE

TINTING: Do not tint.

MIXING: Slowly add Component B to Component A in a 1:4 ratio. STIR UNTIL THOROUGHLY MIXED. ALLOW ONE HALF HOUR AT 16-27°C REACTION TIME. STIR AGAIN BEFORE USING. Mixed life at 16-27°C is eight hours. Higher or lower temperatures will vary the mixed life. When the mix thickens, do not thin; discard and mix fresh material. If initial thinning is necessary, use up to 60 mls water per litre of mix (300 mls per 5 litre pack). Do not thin with solvents or solvent thinned coatings.

SPREADING RATE: Apply at 5-7 m²/L on steel. Apply at 7-10 m²/L on other surfaces. Make allowances for overspray loss and irregular surfaces.

APPLICATION: Brush (synthetic), roll or spray. No thinning required. For airless spray, use a 0.019" tip. Adjust pressure as needed. Spray is preferred for appearance and build. Use clean 6-12mm nap synthetic roller (new rollers must be free of loose fibres). Brushing is best reserved for small areas of "cutting in". In most cases one coat is sufficient, although two coats may be required on steel to obtain proper dry film thickness depending on the application method. Do not apply when surface or air temperature is below 10°C.

DRY TIME: At 25°C & 50% R.H. dries to touch in two hours; to recoat overnight up to one week. Full cure in five days. Low temperature, high humidity or poor ventilation will increase these times.

CLEAN-UP: Clean tools and equipment immediately after use with warm, soapy water. Rinse pumps and hoses with Epoxy Solvent after cleaning with soap and water.

PRECAUTIONS

For industrial use only. See the Altex Coatings Limited General Safety Data Sheet, product label and Material Safety Data Sheet (MSDS) for health and safety information prior to use.

Altra-Shield WB Primer[®] is moderately flammable. Keep away from heat, sparks and open flame. Use with adequate ventilation. May cause eye and skin irritation. Do not breathe vapour or spray. Wear suitable protective clothing such as gloves and eye and face protection.

ALTEX COATINGS LIMITED

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