

FEATURES

Advantages:

- Chemical and stain resistant
- Resists splash and spillage of alkalis, salts, moisture, oils, grease, foodstuffs and detergents
- Abrasion resistant
- Very low odour
- High flash point
- Use over alkyd, latex or epoxy coatings
- Long lasting tile-like finish
- Easily washed and cleaned
- Full range of pastel colours
- Low VOC
- Resistant to most common household or institutional staining sources

RECOMMENDED USES

Altra~Shield WB finishes are high performance, two-package, chemically-cured waterborne gloss or semi-gloss epoxy coatings for use as hard, durable high performance architectural coatings.

Altra~Shield WB finishes feature easy application by brush, roller or spray, low VOC, high flash point, lower odour than solvent-based epoxies, and a hard, tough, stain-resistant finish.

Altra~Shield WB finishes may be used in areas subject to continuous high moisture such as shower rooms.

Typical Uses:

Use on interior properly prepared poured concrete, concrete block, plasterboard, metal and wood. Ideal for hard usage areas of schools, hospitals, restaurants, public buildings and factories.

SPECIFICATION DATA

Coating Type:	Waterborne Epoxy Coating
Colour:	Many BS 5252 and Custom Colours
Packaging:	8 litre – 2 component kit
Mix Ratio:	1:1 by volume (Base : Converter)
Gloss:	Available in Gloss & Semi-Gloss
Flash Point:	> 96°C
Thinner:	Water
Pot Life:	6 – 8 hours at 25°C
Induction Time:	30 minutes at ≥ 21°C 45 minutes at ≤ 21°C
	NOTE: Induction time is included in the effective pot-life
Storage:	Store under cool, dry conditions

Density:	1.3 kg per litre (mixed)
VOC:	200 grams per litre (varies with colour)
Temperature Resistance:	121°C max dry
Volume Solids (Mixed):	45 ± 2%
Theoretical Coverage Rate:	9.0 or 4.5 square metres per litre at 50 or 100 microns dry
Recommended Film Thickness Per Coat:	166 microns wet to obtain 75 microns dry
Application:	Spray, brush, or roll
Dry Times (75 µm DFT / 50% R.H. / 25°C):	
Minimum Recoat	16 hours
Dry Hard	24 hours
Self-Recoat	No limit

SURFACE PREPARATION

All surfaces must be sound, dry, clean and free of oil, grease, dirt, mildew, form release agents, curing compounds, efflorescence, loose and flaking paint and other foreign substances.

New Surfaces:

Concrete, Plaster and Masonry- Cure at least 30 days before painting. pH must be 10.0 or lower. Remove laitance and roughen unusually slick poured or pre-cast concrete by acid etching or abrasive sweeping. Rinse thoroughly with water and allow to dry. Remove loose aggregate.

Prime with this product thinned 8:1 with water or prime with Altra~Shield WB Primer. Allow to dry overnight before recoat.

Steel: - Prime with Altra~Shield WB Primer at 75 microns DFT minimum.

Galvanizing: Prime with Altra~Shield WB Primer at 50-75 microns DFT.

Glazed Brick, Ceramic Tile and Fibreglass: Scuff sand and prime with Altra~Shield WB Primer at 50 microns DFT.

Previously Painted Surfaces:

The waterborne components of this product generally allow use over most old coatings. Old coatings should be tested for lifting. If they lift, remove them. Wash to remove contaminants. Rinse thoroughly with water and allow to dry. Dull glossy areas by light sanding. Remove sanding dust. Remove loose paint. Prime bare areas with primer specified under New Surfaces.

DIRECTIONS FOR USE

Mixing:

Power mix Altra~Shield WB Base while slowly adding Altra~Shield WB Converter in a 1:1 ratio. Mix thoroughly and scrape sides of container to ensure thorough blending. Allow the mixed material to stand 45 minutes at temperatures below 21°C before use. Above 21°C allow 30 minutes induction time.

Always restir before use. Mixed material is usable for six to eight hours from start of mixing; if it thickens, do not add thinner, but discard and mix fresh material. If initial thinning is necessary, use up to 5% water, 50 mls per litre of mix.

Note: The induction time forms part of the pot-life; therefore 30 minutes induction would provide 5.5 to 7.5 hours usable remaining pot-life.

Application:

May be applied by brush, roll or spray. No thinning required. For airless spray, use a 015" tip. Adjust pressure as needed. Spray is preferred for appearance and build. For roller application, use clean medium nap synthetic roller (new rollers must be free of loose fibres). Brushing is best reserved for small areas of "cutting in". For maximum gloss development, two coats of this product are recommended. In some cases, one coat may be sufficient depending on the application method, colour used and smoothness desired. Do not apply when surface or air temperature is below 10°C. Brushing and rolling may require multiple coats to achieve correct film thickness and/or hiding.

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 contains some flammable solvent. 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

Head Office New Zealand	Head Office Australia	DISCLAIMER
91-111 Oropi Road Greerton, Tauranga PO Box 142 Tauranga Mail Centre Phone: +64 7 5411 221 Fax: +64 7 5411 310 www.altexcoatings.co.nz	7 Production Avenue Ernest Junction Queensland 4214 Australia Phone: +61 7 5594 9522 Fax: +61 7 5594 9093 www.altexcoatings.com.au	This is not a specification and all of the information is given in good faith. Since conditions of use are beyond the control of the manufacturer, information contained herein is without warranty, implied or otherwise., and final determination of the suitability of any information or material for the use contemplated, the manner of use and whether there is any infringement of patents is the sole responsibility of the user. The manufacturer does not assume any liability in connection with the use of the product relative to coverage, performance or injury. For application in special conditions, consult the manufacturer for detailed recommendations.