



Isotal Undercoat Alkyd Undercoat

Data Sheet

FEATURES

Advantages:

- Interior or exterior usage
- Marine quality
- High hiding
- Easy application by brush, roller or spray
- Sandable
- Removes minor surface defects prior to finish coating

RECOMMENDED USES

Isotal Undercoat is a premium quality alkyd undercoat which is normally used under Isotal Enamel on properly primed surfaces. It can be used in areas such as:

- Properly primed masonry, steel and other metal surfaces
- Marine exterior areas such as freeboards, decks, houses and superstructures
- Marine interior areas such as engine rooms, passageways and equipment
- Wooden structures
- Tie coat over aged enamel systems prior to re-finish coating

May be used as a gloss reducing additive by blending with Isotal Gloss Enamel (Refer Isotal Data Sheet)

SPECIFICATION DATA

Coating Type:	Alkyd
Colour:	White
Packaging:	NZ & Aust - 1 and 4 litres Single component
Gloss:	Flat
Mix Ratio:	N/A
Pot Life:	N/A
Flash Point:	38°C Setaflash
Thinner:	Altex Thinner #45 – Brush Altex Thinner #53 – Spray
Storage:	Store in cool dry conditions

Density:	1.49 kg per litre
VOC:	392g/ litre
Volume Solids:	53%
Theoretical Coverage Rate:	10.6 sq metres per litre at 50 microns DFT
Recommended Film Thickness Per Coat:	94 microns wet to obtain 50 microns dry
Application:	Spray, brush or roller
Dry Times (25°C / 50µm DFT / 50% RH):	
Touch Dry	1 Hour
Sandable	12 Hours
To Recoat:	
Minimum	12 Hours
Maximum	1 week- extended when sanded
Caution:	Premature overcoating will result in solvent attack which will wrinkle the Undercoat.

SURFACE PREPARATION

New Surfaces:

All surfaces must be sound and free of oil, grease, dirt, form release agents, curing compounds, loose and flaking paint, moisture and other foreign substances and primed as follows:

Steel - High Build Rust Barrier, Pre~Fab or Multi~bond.

Galvanised Steel, Aluminium - Altra~Etch® Primer.

Wood - A seal coat of Isotal Undercoat thinned 20% with Altex Thinner #45.

Previously Painted Surfaces:

Clean with Altex P40 Prepainting Cleaner, or solvent wipe with Altex C50 Surface Cleaner in accordance with AS1627.1 (SSPC SP1) solvent cleaning.

Remove loose and peeling paint. Sand (120-220 grit) all glossy areas to achieve a matt surface. Feather all edges to ensure all loose material is removed.

Prime bare areas with one of the primers specified under New Surfaces.

Ensure all surface defects are sanded back to minimise defects in the finish coat. Dedust thoroughly.

DIRECTIONS FOR USE

Mixing:

Use mechanical agitation for proper mixing to ensure homogeneous condition. Stir until thoroughly mixed.

Thinning:

For spray application, thin as required using Altex Thinner #53.

For brush/roller application use Altex Thinner #45.

Note: Excessive thinning can cause low film thickness, sagging and other film defects.

Application:

Isotal Undercoat may be applied by brush, roller or spray.

When application is made by conventional spray, use the lowest air pressure that will achieve good atomization in order to minimise overspray.

Isotal Undercoat should be applied in one wet coat, overlapping each pass 50%.

Caution: Excessive build, low temperatures during curing, and subsequent premature re-coating may well result in solvent attack, and wrinkling of the undercoat. Ensure coating is well cured before applying any further coats.

Suggested spray equipment:

Conventional Air Spray

1.2mm to 1.8mm Fluid tip with appropriate air cap.

Airless Spray

Pump Ratio	30:1
Material Hose	3/8" I.D min
Tip Size	0.015 – 0.019

(Note: The above is a guide. Other equipment to the above may be used.)

Clean-up:

Use Altex Thinner #45 or #53.

PRECAUTIONS

For industrial use only: Read and follow all the caution statements on this Product Data Sheet, the product label and the Material Safety Data Sheet (MSDS) for health and safety information prior to use.

Isotal Undercoat is 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.

WWW.ALTEXCOATINGS.COM

Head Office New Zealand Altex Coatings Ltd

91-111 Oropi Road
Greerton, Tauranga 3112

Ph : +64 7 541 1221
Fax : +64 7 541 1310

Head Office Australia Resene Paints (Aust) Ltd Industrial & Marine Division

7 Production Avenue, Molendinar
Queensland 4214

Ph : +61 7 5512 600
Fax : +61 7 5512 697

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