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Resene Wintergrade Quick Dry

low temperature curing acrylic primer undercoat

Resene Quick Dry Acrylic Primer Undercoat is designed to cure at low temperatures down to 2°C. It provides long term flexibility over unstable substrates coupled with exceptional durability even when left uncoated for prolonged periods.

interior/exterior

Typical uses

- Architraves
- Block and brickwork
- Cement plaster
- HDF and MDF
- Cloth and woven wallcoverings
- Fibre and particle board
- Repaint old work
- Timber (including Matai, Spotted Gum, Totara)
- Wallboards
- Wallpaper

Physical properties

Vehicle type	100% acrylic
Pigmentation	Titanium dioxide/fillers
Solvent	Water
Finish	Low sheen
Colour	White
Dry time (minimum)	Dependent on weather conditions
Recoat time (minimum)	4 hours; recoat when first coat is tough enough to resist the pressure of a firmly pressed, twisted thumb
Sealer required	See precautions
Theoretical coverage	12.5 sq. metres per litre
Dry film thickness	35 microns at 12.5 sq. metres per litre
Usual no. of coats	1-2
Chemical resistance	Good
Heat resistance	Thermoplastic
Solvent resistance	Good
Sanding properties	Good
Durability	Excellent
Thinning and clean up	Water
VOC	c. 41 grams per litre (see Resene VOC Summary)

Performance and limitations

Performance

1. Will cure at low temperatures.
2. Excellent adhesion to substrates including old paint.
3. Outstanding durability maintaining flexibility for the life of the system.
4. Excellent flow and sanding properties.
5. Successful primer/undercoat for fibre and particle board. Resene Quick Dry Acrylic Primer Undercoat seals the waxes used in the board and makes ready for any subsequent paint system.
6. Designed with a low sheen that allows exceptional enamel hold-out.
7. An ideal primer for Matai, Spotted Gum and Totara.

Limitations

1. Apply in temperatures 2°C - 15°C. Application outside this temperature range may affect curing and application properties. Do not apply at temperatures below 2°C or when temperatures are liable to drop below this during the drying period.
2. Not designed as a first coat over metal surfaces or weak powdery surfaces.

Exposed bare or cracked timber usually accumulates windblown salt. Before using a totally waterborne system, this salt must be removed by prolonged washing with freshwater. Alternatively, use a solventborne undercoat.

Information contained in this Data Sheet is re-validated every two years following issue date. Please ensure the current Data Sheet and Material Safety Data Sheet are consulted prior to specification or application of product. If in doubt contact Resene.

WG Quick Dry low temp curing primer undercoat

Surface preparation

Sand timber surfaces smooth. Clean down thoroughly to remove all dirt, dust and loose material. Any timber that has been exposed to weather for more than one week requires thorough sanding of the surface or treatment with Resene TimberLock (see Data Sheet D48). Resene TimberLock is strongly recommended for pre-treating new Cedar. Consult Resene for technical advice for coating severely weathered timber.

If moss and mould are present, treat with Resene Moss & Mould Killer (see Data Sheet D80). Waterblasting at 21,000 kps (3000 psi) is the best surface preparation method prior to painting of weathered cementitious surfaces or galvanised steel.

Efflorescence on masonry must be treated (see Data Sheet D83).

Existing gloss enamel painted surfaces must be thoroughly sanded to provide a mechanical key for subsequent coats.

Sanding dust from old lead or chromate based paints or old building materials containing asbestos may be injurious to the health if inhaled or ingested. Seek expert advice if the presence of these materials is suspected.

Application

Apply by brush, speed brush, synthetic fibre roller or spray. Spray application is generally not preferred for the first coat.

Apply one to two coats of Resene Wintergrade Quick Dry Acrylic Primer Undercoat allowing at least four hours between coats. Lightly sand between coats. For porous surfaces, it may be desirable to thin the first coat with up to 10% clean water.

New paperfaced plasterboard, solid and fibrous plaster and old powdery cementitious surfaces may be sealed with either Resene Sureseal (see Data Sheet D42) or Resene Broadwall Acrylic Wallboard Sealer (see Data Sheet D403). Consult Resene.

Precautions

1. Fill all nailholes and cracked timber after priming.
2. Not recommended for use where severe water staining exists.
3. Resene Wood Primer (see Data Sheet D40) is recommended for Cedar to hold back staining when light colours are used.