Resene Wintergrade X-200

low temperature curing acrylic waterproofing membrane

Resene Wintergrade X-200 is designed to cure at very low temperatures down to 2°C. An acrylic waterproofing membrane incorporating the most recent advances in polymer and paint technology, Resene Wintergrade X-200 shows significant advances in the areas of film build, adhesion, penetration, application and durability.

exterior/interior

Typical uses

- Concrete blocks
- Concrete surfaces
- Fibre reinforced cement

Physical properties

Vehicle type	Pure acrylic
Pigmentation	Titanium dioxide/mineral and fibre reinforcement
Solvent	Water
Finish	Eggshell, very fine texture
Colour	White and colours off white.
Dry time (minimum)	Dependent on weather conditions
Recoat time (minimum)	3 hours; recoat when first coat is tough enough to resist the pressure of a firmly pressed, twisted thumb
Primer required	Yes, dependent on surface
Theoretical coverage	First coat: 5 sq. metres per litre Second coat: 7.5 sq. metres per litre
Dry film thickness	2 coats 180 microns
Usual no. of coats	2; blockwork – 3
Abrasion resistance	Very good
Chemical resistance	Very good
Heat resistance	Thermoplastic
Solvent resistance	Good
Durability	Excellent
Thinning and clean up	Do not thin, clean up with water
VOC	c. 10 grams per litre (see Resene VOC Summary)

Performance and limitations

Performance

1. Will cure at very low temperatures.
2. Remarkable ease of application.
3. Superior void and crack filling properties.
4. Excellent durability. Requires no further 'weathering' coats.

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. Old, weathered concrete requires surface conditioning with Resene Sureseal (see Data Sheet D42).
3. Not designed to be used under ponded water.

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.

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Surface preparation

Cracked surfaces

Due to its high film build, Resene Wintergrade X-200 will completely fill cracks up to 1mm. For cracks larger than this, apply one coat of Resene Sureseal (see Data Sheet D42) before filling the crack with a suitable elastomeric paintable sealant.

New cementitious surfaces

Clean down thoroughly to remove all dirt, dust and loose material. Ensure surface is free from oil, grease, form release and curing agents. Glossy surfaces require an additional treatment of Resene Concrete Primer (see Data Sheet D405). Use Resene Limelock (see Data Sheet D809) on fresh cementitious surfaces to trap any free lime and prevent the appearance of lime staining.

Old cementitious surfaces

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 weathered cementitious surfaces. If waterblasting is not possible, remove all loose powdery material by thorough wire brushing. Allow to dry and apply one coat of Resene Sureseal (see Data Sheet D42).

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

Airless spray

Use a LTX 523 tip or similar. Use a coarse filter in the system as the fibre reinforcement of Resene Wintergrade X-200 may clog finer filters. Apply two coats.

Brush

Apply two coats at specified rate.

Roller

Use a 12-20mm synthetic fibre roller or texturing roller depending on surface. Apply two coats.

Standard spray

Use a De Vilbiss JGA Gun with a D Tip DEX Needle and 107J Air Cap or equivalent.

Concrete blocks

Due to regional variations in concrete block standards, two coats may be insufficient to waterproof. Waterproofing can only be assured when all voids are filled, therefore three coats over block is a safer specification. Brush or roller application is preferred over block and essential for at least the first coat.

Precautions

1. Do not thin – thinning destroys build properties.
2. Ensure correct pre-treatment is used and correct surface preparation is undertaken.
3. Use of Resene Wintergrade X-200 in hot conditions will reduce wet edge time and make application difficult.

Information contained in this Data Sheet is re-validated every two years following issue date.
Please ensure current Data Sheet is consulted prior to specification or application of Resene products.
If the surface you propose to coat is not referred to by this Data Sheet, please contact Resene for clarification.