

ROOFGARD W PLUS

Roofgard W Plus is a high performance, water based coating for application onto concrete roof tiles and mineral composite/asbestos cement roofing panels. Roofgard W Plus incorporates Clean Nano Technology Cenospheres additive designed to provide thermally efficient properties.

Uses

Roofgard W Plus has been specifically formulated for the long-term protection and decoration of concrete roof tiles and mineral composite/asbestos cement roofing panels.

Advantages

- Water and efflorescence resistant
- Resistant to weathering
- Quick drying
- Low odour
- Utilises Thermakote™ Insulating Technologies

Description

Roofgard W Plus is a single component, water borne acrylic protective and decorative coating containing Thermakote™ insulating additive, and is ready for immediate site use.

Technical Support

Andura offers a comprehensive range of high performance coatings for the interior and exterior protection and decoration of building surfaces. Andura provides a support package to engineers, architects specifiers, end-users and contractors as well as training and on-site assistance.

Application Instructions

Preparation

All concrete and mineral composite surfaces shall be dry and free from contamination such as oil, grease, loose particles, decayed matter, moss and algal growth, laitance and all traces of mould release oils. This is best achieved by medium/high pressure water blasting the surface. Where moss, algae or similar growths have occurred, treatment with Andura Biocide shall be undertaken after the blasting process. The surface must be allowed to dry before applying Andura Biocide.

If after the application of the Biocide, any residue of growth, dead or decaying matter remains, this should be rinsed/washed away. Special care must be taken to ensure that exposed edges of tiles are properly prepared. Ensure that any repair mortars used are dry, cured and free from dust and laitance. Bedding and pointing on roofs to be coated should be in sound condition and be of appropriate mix design to resist water and frost damage. Ridge tiles should be bonded using a mix of 1:3 cement : sharp sand. The incorporation of Andura SBR bonding admixture into the gauging liquid will improve adhesion and water resistance (see Andura SBR Bonding Admixture Product Data Sheet)

Special consideration shall be given for the preparation of asbestos surfaces. Please contact Andura for further details.

Where application over existing sound coatings is required, trials shall be undertaken in order to ensure compatibility and retention of bond between the underlying coatings and the substrate and of the bond between Roofgard W Plus and the existing coating. Existing coatings which exhibit poor adhesion to the background can severely reduce the performance of

Roofgard W Plus. Where any doubt exists concerning the condition of previously applied products, these must be completely removed by appropriate means.

Application

In order to obtain the protective properties of the Roofgard W Plus system, it is essential that the correct rates of application are achieved. Roofs must be dry and frost free before application.

Application shall not be carried out during wet, frosty or foggy weather, when air or substrate temperature is below 5°C or where these conditions may occur before the coating has dried. Low temperatures and high humidity will considerably lengthen drying times.

The use of a separate primer is not normally required for asbestos and concrete surfaces. However, if application is likely to a highly porous substrate then Roofgard W Plus can be thinned up to 10% clean water and this can be used as a primer.

Roofgard W Plus shall be applied to all prepared surfaces in two coats by brush, roller or spray. The first coat shall be applied at a minimum application rate of 0.20 litres per square metre, taking care to achieve a uniform wet film thickness of not less than 200 microns. Roofgard W will become dry and re-coatable after approximately 2 hours at 20°C – 65% RH. Lower temperatures, especially if combined with high humidity and poor air circulation, will lengthen drying time. The second coat shall be applied as detailed above at a minimum application rate of 0.20 litres per square metre, taking care to achieve a uniform wet film thickness of 200 microns.

Equipment

For spray application use Airless Spray Equipment that will support a tip size of 21 – 25 thou (0,021” – 0,025”).

Cleaning

Roofgard W Plus shall be removed from tools and equipment with water and detergent immediately after use. Dried material can only be removed by mechanical means.

Limitations

Roofgard W Plus has been formulated for application to clean and sound concrete, asbestos and mineral composite roof tiles. Andura shall be consulted where application to alternative substrates is considered.

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The surface of some roof tiles, e.g. sand faced tiles, may appear uneven after several years of weathering and erosion. The resulting patchiness may become especially evident after cleaning. Application of Roofgard W Plus coating will not mask such unevenness.

Roofgard W Plus contains a blend of powerful biocides in order to protect the coating from degradation by fungi and organic growth. Whilst protecting the tiles, and helping roofs to retain a clean appearance, the coating is not intended for long term prevention of surface organic growth.

Estimating

Supply

Roofgard W Plus 20 litre pails

Coverage

Roofgard W Plus 4 - 5 m² per litre per coat

The coverage figures given are theoretical and owing to wastage factors, and the variety and nature of possible substrates, practical coverage rate will be reduced.

Storage

Roofgard W Plus has a shelf life of 12 months if kept in a dry frost free store in original, unopened containers.

Precautions

Health Safety and Environmental Information

Water Borne Coating

Ensure good ventilation during application and drying.

Avoid contact with skin and eye.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After contact with skin, wash with plenty of soap and water or a recognised skin cleanser. Do not use solvent.

When spraying do not breathe spray, wear suitable respiratory protective equipment.

Keep out of reach of children.

Do not empty into drains or watercourses.

Avoid release to the environment. Refer to the safety data sheet which includes waste hazard categories.

Refer to the safety data sheet before using this product.

EU limit for this product (CatA/h) 140g/l (2010). This product contains max. 140g/l.

Fire

Roofgard W Plus is non flammable.

Quality Management

Andura Coatings has been a British Standards approved company since 1992.

Andura's Quality Management Systems have been assessed and approved by BSI and conform to ISO 9001: 2008.

Disclaimer

The advice and information provided in this data sheet is given in good faith, but carries no guarantee or acceptance of responsibility. This data sheet becomes invalid as soon as a new edition has been issued. Please check with Andura Coatings that you have the latest edition.

Insodec™ is a trademark of Brighthouse & Elland Scientific Technologies Ltd.

Further information on Insodec Technologies can be found on the BEST coatings website www.best-coatings.co.uk

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