

ROOFGARD S

High performance, **Solvent Based** coating for application to concrete roof tiles and mineral composite/asbestos cement roofing panels.

Uses

Roofgard S 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 chloride resistant
- Resistant to weathering
- All year round application properties

Description

Roofgard S is a single component, acrylic protective and decorative coating ready for immediate site use. Roofgard S has been formulated for application in weather conditions where the use of water borne products may be problematic, e.g. showery weather and low drying temperatures.

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. Special care must be taken to ensure that exposed edges of tiles are properly prepared. 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 S and the existing coating. Existing coatings which exhibit poor adhesion to the background can severely reduce the performance of Roofgard S. 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 S system, it is essential that the correct rates of application are achieved. Application of Roofgard S shall not be undertaken during wet conditions, or during foggy or frosty weather.

Roofgard S is supplied ready for use. The application of a separate primer is not normally required, however, on surfaces of high absorption such as mineral composite boards, a coat of solvent borne stabilising solution may be applied.

Roofgard S 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,

Allow to dry for a minimum of 6 hours at 20°C 65% RH.

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 25 – 27 thou (0,025” – 0,027”).

Cleaning

Roofgard S shall be removed from tools and equipment with Andura Thinners T66 immediately after use. Dried material can be removed by overnight soaking in T66 thinners.

Limitations

Roofgard S 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.

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 S and the existing coating.

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 S coating will not mask such unevenness.

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Roofgard S contains a blend of powerful biocides to protect the coating from degradation by fungi and organic growth. Whilst protecting 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 S	20 litre pails
Andura Thinners	5 litre cans

Coverage

Roofgard S	4 - 5 m ² per litre per coat
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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 S has a shelf life of 12 months if kept in a dry store in original, unopened containers.

Precautions

Health Safety and Environmental Information

Solvent Based Coating.

This product is for Exterior Use only.

Flammable.

Repeated exposure may cause skin dryness and cracking.

Keep away from sources of ignition – no smoking.

Use only in well ventilated areas.

In case of insufficient ventilation, wear suitable respiratory protection. In confined spaces, when spraying, wear air-fed respiratory protection. Do not breathe spray. Avoid contact with skin and eyes.

When applying, the use of eye protection is recommended.

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

After contact with skin, wash immediately with plenty of soap and water or a proprietary skin cleanser. Do not use solvents.

Keep out of reach of children.

If swallowed, seek medical advice immediately and show the container or label.

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/I) 500g/l (2010). This product contains max. 500g/l.

Fire

Roofgard S and Andura Thinners T66 are flammable. Keep away from sources of ignition. In the event of fire, extinguish with CO₂ or foam.

Flash Points

Roofgard S : > 38°C
Andura Thinners: > 38°C

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.

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