

# ANDURA ELASTOMERIC ROOF COATING

High performance, crack-accommodating, elastomeric, pure acrylic protective and decorative coating for a variety of **exterior flat** roof surfaces including asphalt and mineral composite/asbestos cement.

## Uses

Andura Elastomeric Roof Coating has been specifically formulated for the protection and decoration flat roofs. The highly elastomeric properties are especially useful where there is a probability of subsequent cracks appearing in the substrate, or cyclic crack movement. The product exhibits excellent breathability.

## Advantages

- A truly inherent elastomeric coating with excellent crack-accommodating and recovery properties, even at extremes of ambient temperature.
- Excellent breathability
- Excellent resistance to weathering
- Low dirt pick-up
- Water based.

## Description

Andura Elastomeric Roof Coating is a single component, water based, pure acrylic, elastomeric coating 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.

## Technical Data

The following are typical values for Andura Elastomeric Roof Coating when applied at the minimum recommended application rate.

### Typical Coating Properties

Pigment Volume Concentration	42.0%
Volume Solids	50.4%
Weight Solids	65.3%
Density	1.45
pH	8.2 – 8.7
Syneresis	None
VOC (g/L)	<5.0

### Film Properties

#### Crack bridging resistance (mm)

at –10°C :	1.5
at +23°C :	1.2

#### Water vapour permeability (m)

Sd :	0.7
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#### Elongation (%)

at – 10°C	305
at + 23°C	320

\*Note: this data does not constitute a specification

## Specification Clause

The protective coating systems shall be the Andura Elastomeric Roof Coating system. When applied at its minimum application rate, the system shall provide a crack accommodation of ~1mm.

# Application Instructions

## Preparation

All 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.

Where application over existing sound coatings is required, trials should be undertaken in order to ensure compatibility and retention of bond between the underlying coating and the substrate and of the bond between Andura Elastomeric Roof Coating and the existing coating.

In order to produce a continuous coating, for optimum protective and decorative performance, all surface imperfections, blow-holes etc. shall be appropriately treated. Please consult Andura for further details.

## Application

In order to obtain the protective properties of the product, it is essential that the correct rates of application are achieved. All prepared surfaces shall receive two coats.

The materials shall be thoroughly stirred before use to a uniform consistency.

During application, walkways, plants, joint sealants, asphalt and bitumen painted areas and glass shall be masked and shielding provided to prevent airborne contamination.

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 product will become dry and re-coatable after approx. 2-4 hours (20°C – 65% relative humidity).

Andura Elastomeric Roof Coating shall be applied in two coats to all prepared surfaces by brush, roller or spray. The first coat shall be applied at an application rate of 0.6 litres per square metre, taking care to achieve a uniform wet film thickness of not less than 600 microns.

When the first coat is fully dry, the second coat shall then be applied as detailed above, again achieving a uniform wet film thickness of not less than 600 microns.

When applying by roller, it may be necessary to follow the applications by laying off with a brush in order to achieve a smooth finish.

## Equipment

For spray application use Airless Spray Equipment that will support a tip size of 25 – 27 thou (0,025” – 0,027”).

## Cleaning

Andura Elastomeric Roof Coating should be removed from tools and equipment with clean water immediately after use. Dried material can only be removed mechanically.

## Limitations

The Andura Elastomeric Roof Coating System has been formulated for application to clean and sound roof surfaces.

Where application over existing coatings or paints is required, trials should be undertaken to ensure compatibility and bond retention between

the underlying coating and the substrate and between Andura Elastomeric Roof Coating and the underlying coating. The product shall not be applied in windy conditions where early-age windborne contamination may occur.

# Estimating

## Supply

Andura Elastomeric Roof Coating: 20 litre pails

## Application Rate per coat (2 coats required)

Andura Pro-Flex: 0.6 litres per m<sup>2</sup> per coat

The application rate is given for guidance only. Owing to factors such as wastage, application technique and the nature and variety of possible substrates, practical application rates may differ significantly.

## Storage

All products have a shelf life of 12 months if kept in a dry store in the original, unopened containers.

Andura Elastomeric Roof Coating should be protected from frost.

## Precautions

### Health Safety and Environmental Information

#### Water Borne Coating

Ensure good ventilation during application and drying.

Avoid contact with skin and eyes.

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

Andura Elastomeric Roof Coating is non-flammable.

For further information, refer to the safety data sheet.

## Quality Management

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