

ANDURA

-Sil

High performance silicone resin coating for protecting exterior concrete and masonry.

USES

Andura-Sil W has been specifically formulated for the long-term protection and decoration of exterior masonry surfaces where a highly breathable water resistant finish is required

ADVANTAGES

- Water based – clean up with water
- Low odour, low VOC & environmentally friendly
- Completely water repellent, yet breathable, prolonging the life of the property
- Stays clean for much longer than traditional masonry paints due to self-cleaning action
- Extremely resistant to UV radiation & weather resistant
- Excellent bonding to most mineral substrates

DESCRIPTION

Andura-Sil W is a water-borne, silicone emulsion protective and decorative 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-Sil W when applied at the minimum recommended application rate.

VOLUME SOLIDS:

Approximately 40%

Water Vapour Diffusion (Sd Value)

Substrate: Concordia PES (high water diffusion)

Drying process: 28 days, sample stored in a climate chamber 23°C / 50% air humidity

Measured according to DIN EN 1062-1

sd-value [m] 0.062

V-value [g/(m²d)] 339

Classification according to DIN EN ISO 7783 Part 2 Class 1 (high)

Water absorption rate [w-values] Measured according to DIN EN 1062-3

w1-value [kg/(m²xh0,5)] ≤ 0.05

w24-value [kg/(m²xh0,5)] ≤ 0.10

Classification according to DIN EN 1062 Part 3 Class 3 (low)

Appearance Matt

Specific Gravity 1.45 – 1.55

SPECIFICATION CLAUSE

The protective and decorative coating shall be the Andura-Sil W system applied in accordance with this technical data sheet.

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.

In order to produce a continuous coating of Andura-Sil W, for optimum protective and decorative performance, all surfaces exhibiting blowholes or similar imperfections shall be treated with our recommended fairing coat. 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 coating and the substrate and of the bond between Andura-Sil W and the existing coating.

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

APPLICATION

In order to obtain the protective properties of the Andura-Sil W system, it is essential that the correct rates of application are achieved. 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. Andura-Sil W will become dry and recoatable after approx. 2-4 hours (20°C – 65% relative humidity).

Chalking or powdery surfaces shall receive one coat of Andura Classic Primer which should be allowed to dry for 24 hours before applying finishing coats.

Andura-Sil W shall be applied in two coats to all primed surfaces by brush, roller or spray. The first coat shall be applied at an application rate of 0.15- 0.20 litres per square metre, taking care to achieve a uniform wet film thickness of not less than 150 microns.

When the first coat is fully dry, the second coat of Andura-Sil W shall then be applied as detailed above, again achieving a uniform wet film thickness of not less than 150 microns

CLEANING

Andura-Sil W shall be removed from tools and equipment with water immediately after use. Dried material can only be removed mechanically.

LIMITATIONS

Andura-Sil W has been formulated for application to clean and sound concrete and masonry surfaces. Andura shall be consulted where application to alternative substrates is considered.

ESTIMATING

Supply

Andura-Sil W: 10 litre & 20 litre pails

APPLICATION RATE

Andura-Sil W: 0.15 – 0.20 litres per square metre 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

Andura-Sil W has a shelf life of at least 12 months if kept in a dry frost free store in the original, unopened containers.

PRECAUTIONS

Health and Safety

Refer to the safety data sheets before use.

Use personal protective equipment as required
Do not breathe spray
If in eyes, rinse cautiously with water for several minutes
Keep out of reach of children
Contains chloromethyl isothiazolinone/methyl isothiazolinone. May produce an allergic reaction

VOC EU limit value for this product (cat. A/c)
40g/l. This product contains max 35g/l

FIRE

Andura-Sil W is not flammable.
Fire will produce dense black smoke containing hazardous products of combustion. Exposure to decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required. Cool closed containers exposed to fire with water spray. Do not allow water run-off from fire-fighting to enter drains or water courses.

FLASH POINTS

Andura-Sil W: Non-flammable

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: 2015.

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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Issue 1/22



FM 663919