

ANDURATHANE

High performance, non-decorative, sealer coating based on a single component moisture curing polyurethane resin.

USES

Andurathane has been formulated to provide long-term protection for the following surfaces.

- Concrete floors
- Garage floors
- Agricultural concrete silage clamps
- Aircraft hangars

FEATURES AND BENEFITS

Stain resistant, Chemical and oil resistant, Abrasion resistant, Long life. Andurathane is not a decorative coating. On weathering, there may be a tendency for yellowing.

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

Solids w/w (Andurathane 40) 40%
Sward Hardness 36
Abrasion Resistance (Taber) Wheel
CS17 / 1000g load / 1000 rev – weight
loss 199 mg

APPLICATION INSTRUCTIONS

PREPARATION

All surfaces must be dust, oil and grease-free. Old-coated surfaces, varnishes, wax, etc should be removed. Highly polished surfaces should be scoured to promote adhesion. New or power floated concrete should be track blasted, scabbled or acid washed, rinsed thoroughly and allowed to dry out. On timber surfaces any wood dust should be carefully removed as it can promote the formation of gas bubbles within the applied film. Where moss, algae or similar growths have occurred on exterior surfaces, treatment with Andura Biocide shall be undertaken after the blasting process.

APPLICATION

Application shall not be carried out during wet conditions, or during frosty or foggy weather. Andurathane must not be applied when temperature may fall below 5°C during application or drying or when rain is imminent. Application can be by brush, squeegee or roller. It should not be attempted unless all health and safety requirements concerning breathing protection can be met. Refer to the safety data sheet and the notes in this document. It is advisable to apply several thin films rather than one thick film. Thick films and puddles can trap gas bubbles resulting in a white or foamy appearance. Once the coating has fully cured it can only be removed with mechanical abrasion.

Under temperature conditions of 20°C and relative humidity (RH) of 50%, the surface will be tack-free in approximately 2 ½ hours and ready for use in 12-24 hours. If longer drying times are

experienced, vaporisers or humidifiers can be used to increase humidity and accelerate cure.

Re-coating must take place as soon as the previous coat has reached the tack-free stage. Once a coating is fully cured it is very hard and impervious, subsequent coats will lack good adhesion. Re-coating times will be between 6 and 10 hours depending on the temperature and ventilation conditions. Poor ventilation will cause solvent retention and result in slow drying. It must also be avoided for health and safety reasons. When planning to coat surfaces, particularly old, plastic or those of unknown composition, it is advisable to treat a small area to check for potential curing or adhesion defects. For example, it has been known for the plasticisers in PVC to migrate to the surface of the coating preventing the atmospheric moisture from reacting.

ESTIMATING

Supply
Andurathane 5 litre cans
Coverage
Andurathane 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 rates will be reduced.

STORAGE AND HANDLING

Andurathane should be stored in plain steel or lacquered containers away from sources of heat, flames or sparks at temperatures not exceeding 30°C. Andurathane has a shelf life of 12 months if kept in a dry store in the original, unopened containers. Opened containers should be used within 24 hours.

PRECAUTIONS

Health and Safety

Andurathane must only be used when all the health and safety conditions in the Safety Data Sheets are met. It is essential that good ventilation is maintained during application and drying. It is advisable that breathing protection is used. There is some free isocyanate present that can cause breathing problems if the recommended maximum exposure levels are exceeded.

Over exposure can lead to sensitisation and bronchial disorders with asthmatic symptoms. Sensitivity will vary with individuals and people with a history of asthma, bronchitis, and in some cases hay-fever, must be advised against applying these materials.

FIRE

Andurathane is flammable. Keep away from sources of ignition. In the event of a fire, extinguish with CO₂ or foam.

FLASH POINTS

Andurathane 24.5 – 30.0°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: 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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