

MAXURETHANE 2C

Product Information Page

Maxurethane 2C is a two component aliphatic polyurethane protective coating for outdoor areas. It is highly resistant to weathering and UV rays, with long term colour stability in outdoor areas. It is available in a gloss or a matt finish.

Specification Tip for Design Professionals:

Maxurethane 2C may be specified by name or by using the following description: *a propriety two component aliphatic polyurethane protective coating which is highly resistant to chemicals, weathering and UV.*



- ✓ **Resistant to UV**
- ✓ **Suitable for contact with drinking water**
- ✓ **Good chemical resistance**
- ✓ **Very high wear and abrasion resistance**
- ✓ **Available in a gloss or matt finish**

How does Maxurethane 2C work:

Maxurethane 2C when polymerised becomes a flexible, hard wearing protective coating for most common substrates such as concrete, mortar, metal, and wood.

How do I prepare the surface before applying Maxurethane 2C:

Substrates onto which Maxurethane 2C are to be applied must be solid, completely dry and free from dust. All damages to the substrate must be repaired and allowed to fully cure. On polished concrete, provide a mechanical texturing using suitable non-aggressive equipment. Prime all non-porous substrates such as terrazzo, granite etc, with Maxprimer PUR.

Note: The moisture content of the substrate must be <5%.

How do I apply Maxurethane 2C:

Maxurethane 2C may be applied by brush, roller or airless spray. The moisture content of the substrate must be < 5% and suitable application temperatures are between 10°C and 35°C and a relative humidity below 80%. Protect from rainfall for at least 24 hours.

Smooth Finish: 1st coat of Maxurethane 2C diluted with between 10% and 15% of Maxurethane 2C Solvent at between 0.20 and 0.25kg/m² allow to dry for 4-6 hours and apply a second coat of 0.15 to 0.20kg/m². Additional coats may be applied following the same interval time. Do not leave more than 24 hours between coats.

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Non-Slip Finish: 1st coat of Maxurethane 2C diluted with between 10% and 15% of Maxurethane 2C Solvent at between 0.20 and 0.25kg/m² allow to dry for 4-6 hours and apply a second coat of 0.15 to 0.20kg/m². Whilst this coat is still tacky, dry-shake with clean dry silica-sand (grainsize 0.1 –0.5mm) at approximately 1 –1.5kg/m².

For better aesthetic finish coloured sand may be used. Once this layer is dry, sweep and vacuum the surface to remove the excess sand and apply a 3rd coat of Maxurethane 2C at the rate of 0.3 –0.4kg depending on the grain size.

Note: Allow a minimum of 72 hours before putting floors into service.

Cleaning Equipment:

Clean all equipment using Maxurethane 2C Solvent.

How do I store Maxurethane 2C:

Maxurethane 2C should be stored in its original manufacturer's container in dry conditions and protected from frost and sunlight.

TECHINCAL DATA:

Optimum Application Temperature	Plus 10 -35°C. RH 35-80%
Application Coverage	0.20 –0.25 kg/m ² per coat
Suitability for Drinking Water	Approved according to R.D. 140/2003
Adhesion to Concrete (ASTM-D-4541-93)	22.000mPa's
Adhesion to Steel (ASTM-D-4541-93)	2.74 (MPa)
Suitable for aqueous food (2002/72/CE)	Approved
Shelf Life	12 months from date of manufacture

RESISTANCE TO CHEMICALS:

Salt spray cycling (1500 hours)	No change
Industrial detergent	No change
Sea Water	No change

ABRASION RESISTANCE ASTM D-4060 (Water Index)

CS-10 wheel load 500g	
500 cycles	0.024
1000 cycles	0.025

Protect the environment: Dispose of waste in accordance with the local authority regulations.

Disclaimer: The general information provided in the present technical description, application guidelines and other recommendations, is based on research and experience. However, the client is obliged to determine themselves what products are suitable for use. Accordingly, no liability will be accepted by IBC Limited t/a SURFASOLOGY™.

For further information contact the SURFASOLOGY™ Technical Department.

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Our products are all manufactured in ISO Quality System compliant facilities and meet the relevant local, National, & European standards. **SURFASOLOGY** network members manufacture products exclusively in Germany, Switzerland, Spain, Greece and the UK. We support these products in local markets with highly-qualified technical professionals, who understand both on-site demands and the design detail. We work in a collaborative way with our clients at all stages of the project to ensure that the correct design, preparation, and application are carried out to ensure a timely and successful outcome for all stakeholders.

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