

Document type	Technical Data Sheet
Name	PU2C
Description	It is a semi-matt, two-component water-based polyurethane varnish, a waterproofing treatment with a high surface resistance. It can be used as final protective treatment on our floor finishes (PASTELLONE, MAGNESITE TERRAZZO, REINFORCED MICROCEMENT), or where you desire to obtain a durable waterproof treatment, such as shower walls.
Composition	Polyurethane water-based resin + hardener. Two-component water-based aliphatic polyurethane system
Appearance	Resin: Colourless opaque liquid; Hardener: transparent liquid
Colour	Once applied, it is colourless and transparent
Packaging	Resin: 5 kg polyethylene packaging Hardener: 0,5 kg polyethylene packaging
Application	By hand, using a roller
Type of Surface	PU2C varnish is a versatile solution for protecting various floor finishes, including PASTELLONE, MAGNESITE TERRAZZO, and REINFORCED MICROCEMENT. It can also be effectively applied to wall finishes in wet areas, such as inside showers finished with MARMORINO MEDIUM and TADELAKT.
Dilution	After mixing Component A with B, the varnish is ready to use. If desired, it can be diluted with water up to 10% of its weight.
Pot life	Once mixed, use within 90 minutes at 20°C
Consumption	60-90 g/sqm. The best result is obtained applying 45-50 grams for the first layer and 40 grams for the second layer per square meter.
Drying	To the touch: 1 hour at 20°C Tack free: 30 minutes at 20°C Second coat application without sanding: 3 to 10 hours at 20°C Second coat application with sanding: > 12 hours at 20°C Completely: 48 hours at 20°C
Application temperatures	min 12 max 30°C – R.U. < 85% ca
VOC Classification	The maximum VOC content permitted by the EU-Directive 2004/42 (Product category IIA/e) is in the ready-to-use state 130g/l (Limit 2010). The maximum content of this product is < 130 g/l VOC.
Shelf life	18 months when stored according to the recommended guidelines
Storage	In original sealed packaging between 10° and 35°C in a dry, dark environment
Abrasion Resistance Test	Determined in accordance to the test method CS17/2x 500g/1000 rpm. The abrasion is 24 mg. as a result of a 3-time determination
Safety Norms	This product may cause skin allergic reactions. It is important to adhere to the prevailing safety and hygiene standards while using it. Refrain from disposing of the product in drains, water bodies, or on the ground. Always keep the product out of reach of children. In the event of ingestion, or allergic reaction seek medical assistance

without delay and present the container or label. For further details, consult the safety data sheet.

Disposal

Product must be disposed of according to norms and regulations in force. Containers must be sent for recycling. Follow directions on the packaging.

Application Instructions

WARNINGS

During application and for the following 72 hours, protect the surfaces from sudden temperature change, direct sun light and water.

APPLICATION

On the PASTELLONE finish, it is necessary to apply the varnish on a surface that has been treated with one or two coats of PRE-SEALER.

Before use, ensure to shake component A well. Carefully mix the two components in a ratio of 10 parts A to 1 part B. Once mixed, the varnish has a pot life of 90 minutes at 20 °C. To extend the pot life, place the mixture in a refrigerator (do not freeze).

PU2C should be applied by roller in two or more very thin layers. For good results, it is essential to apply the product in thin layers. Allow the first coat to dry completely, typically taking more than 3 hours but less than 10 hours, before applying the subsequent coat. If the following coat is applied more than 12 hours after the first, it is recommended to lightly sand the previous coat using fine sandpaper or Scotch Brite.

For areas with high moisture levels, such as inside a shower cabinet, it is suggested to apply 3 coats, diluting the first coat with 10% water.

When necessary, the varnish can be re-applied, after having washed well and lightly sanded the entire surface to be treated.

Tools

Roller. Clean tools with water after use.

We have drawn up the material presented above to the best of our technical and experiential knowledge. Nevertheless, our suggestions and recommendations are not guaranteed. All responsibility for the obtained results lies solely with the method and conditions adopted for the application of the product. Such indications constitute valid support for verifying the product's suitability for the specific case. We reserve the right to make modifications to the present information without previous warning.