

Document type	Technical Data Sheet
Name	PU1C
Description	It is a one-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.
Performance	High quality, transparent, water based one-component varnish for priming and coating with very good enhancing, filling and sanding properties. Quick-drying, light-fast and resistant to household care and cleaning agents, alcohol and also to plasticiser in sealing profiles. Resistant to creams and hand perspiration. Environmentally friendly, low odour, nMP-free, free from phthalic resin plasticiser (suitable for coating toys). Complies with the VOC Decopaint Directive.
Composition	Water based polyurethane with a single component resin.
Versions	MATT and X-MATT
Appearance	Dense opaque liquid
Colour	Transparent
Packaging	2 L polyethylene packaging 25 L polyethylene packaging
Application	By hand, using a roller
Type of Surface	PU1C 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	Ready-to-use. If desired, it can be diluted with water up to 10% of its weight for the first coat
Consumption	100 ml/sqm for two coats.
Drying	At 20°C and 50% RH: Dust dry: 30 minutes Re-coatable: after 2 hours Loadable: 14 days
Application temperatures	min 15 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	24 months when stored according to the recommended guidelines
Storage	In original sealed packaging between 8° and 35°C in a dry, dark environment
pH value	7.5
Safety Norms	Avoid inhaling spraying mist. 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

Use only noncorrosive tools and containers (e.g. stainless steel or plastic).

The temperature of the varnish and object and the ambient temperature should not be lower than 15°C (danger of blisters forming).

Always keep the container closed. Protect the contents from drying (skin formation). Take care when opening the container so that no dried residues fall into the varnish. Skin flakes or scaling do not dissolve and can only be removed by filtering (e.g. through a nylon gauze).

In order to guarantee flawless durability, sufficient thickness of the total coating must be observed.

To assess the varnish system under practical conditions it is best to create a test surface.

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

APPLICATION

Overview: PU1C provides high surface resistance to cement and epoxy floors, lime-based wall plasters, and any other decorative wall or floor finish. The product is best applied with a roller, and a minimum of two coats is recommended to achieve paramount results. Shake or stir well before use.

Application: 2 or 3 coats using a flat brush or roller. Use a micro-fibre coated sealing roller or a paintbrush for water based varnishes. Dilute the varnish with 3-5% water if necessary and do not apply too thickly.

Drying, at 20 °C and 50% relative humidity: Allow a drying time of approx. 2 hours and sand lightly with 240 grit before applying the second coat. Apply the third coat only after allowing to dry overnight and sanding with 240 grit. Coatings applied too thickly, and high humidity influence the drying. Air circulation (0.5–1.5 m/min.) and a higher temperature reduce the drying time. The treated surface can be carefully walked on after approx. 8 hours. After 14 days full use is possible, and carpets can be laid.

If applying on PASTELLONE, wait for a minimum of 24 hours for the finish to dry completely before applying the product.

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.