

Cuore PSC 2000

Composition	Cuore PSC 2000 is a 2-component, solvent free, self leveling material, based on polyurethane resins.
Application	Cuore PSC 2000 is applied as a scratch layer or intermediate layer for several application areas. Examples of application areas are: education, healthcare, residences, offices and public buildings.
Technical properties	Density Resin + Hardener 1500 kg/m³ (depending on colour) Shore hardness (DIN 53505) ~ D 60 Tensile strength (DIN 53455) ~ 14 MPa Elongation at break (DIN 53455) ~ 60% Angel Tear (DIN 53515) ~ 60 N/mm
Pre-treatment substrate	To ensure a permanent bonding of a synthetic finish, a correct pre-treatment of the substrate is necessary. In general it is assumed that all substrates to be finished must be free of grease, oil, dirt, moisture and other contaminations that may influence the adhesion with the substrate in a negative way. This applies to both existing and new substrates. Before the Cuore PSC 2000 is applied, the substrate needs to be fitted with a primer from the Cuore range. On concrete floors and sand cementitious screeds, Cuore EP 1300 can be applied as a primer. A manual about substrate pre-treatment is available on request.
Consumption	The consumption is approx. 1,5 kg/m ² per mm layer thickness.
Mixing ratio	83,33 Parts by weight Resin 700143 16,67 Parts by weight Hardener 900143
Temperature substrate	min. 10 °C and max. 30 °C. The temperature of the substrate must be at least 3 °C above the dew point.
Relative humidity	min. 30 % and max. 80 %
Application temperature	min. 10 °C and max. 30 °C
Application temperature material	min. 15 °C and max. 25 °C
Mixing procedure	1) Open the container with the resin and mix the material till it is homogenous. 2) Open the container with the hardener and add the hardener to the resin. 3) Mix both components mechanically about 2 minutes till a homogenous mixture is formed.

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Application time

A well mixed material is uniform in color without containing clear or dark spots.

4) To avoid mixing errors or unmixed residue; pour the mixed material into a clean and empty container and mix again for a short time. Never use unmixed residue of the material.

The application time of the **Cuore PSC 2000** at 20 °C is about 25 to 30 minutes.

Note: At a temperature rise of 10 °C the application time will reduce by half.

Drying and curing

At a temperature reduction of 10 °C the application time will double.

The drying and curing times of the **Cuore PSC 2000** at a layer thickness of 2 mm are as follows:

- recoatable : after 16 hours and a maximum within 48 hours at 20 °C
- fully cured : after 7 days at 20 °C

Colour - structure - gloss

Indefinite and can vary per order - smooth - gloss

Packaging

10,5 kg and 25 kg set packaging

Precautions

It is important that applicable requirements for working with synthetics are adhered to.

It is therefore advised to avoid skin and eye contact, by using creams and/or liquid-proof gloves, safety glasses, etc. When processing Cuore PSC 2000, especially in small, enclosed spaces, it is recommended to ventilate very well.

Tools

Cuore PSC 2000 can be applied with:

- straight or toothed trowel
- Swedish knife

Tool cleaning

Used tools can be cleaned with Cuore Tool Cleaner.

Shelf life

In the original, unopened packaging, stored in a dry place between 5 °C and 25 °C, Cuore PSC 2000 has a shelf life of 12 months minimum.

Note: Cuore PSC 2000 may not be stored or exposed to temperatures beneath 5 °C.

Note: in time, a form of separation may occur. It is necessary to mix up the material to a 100% smooth, homogenous mass before the B component is added. When in doubt about the homogeneity and / or fineness, we advise to first pass the material through a sieve before further use. If the material can no longer be mixed up to a homogeneous, smooth mass, you can contact Cuore for advice.