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6/12/2021	402010/ 402025

Cuore PSL 4400

Composition	Cuore PSL 4400 is a 2-component, solvent free, self-leveling polyurethane with good light fast properties.												
Application	Cuore PSL 4400 is applied as a seamless, wear resistant floor finish for several application areas where comfort and a certain degree of sound reduction is desired. Examples of application areas are: education, healthcare, residences, libraries. Cuore PSL 4400 must always be sealed with a coloured top coat from Cuore .												
Technical properties	<table><tr><td>Density Resin + Hardener</td><td>1400 kg/m³ (depending on color)</td></tr><tr><td>Viscosity</td><td>3500 mPA.s (± 500)</td></tr><tr><td>Shore hardness (DIN 53505)</td><td>~ D 40</td></tr><tr><td>Tensile strength (DIN 53455)</td><td>~ 5,8 MPa</td></tr><tr><td>Elongation at break (DIN 53455)</td><td>~ 180 %</td></tr><tr><td>Angle tear (DIN 53515)</td><td>~ 19 N/mm</td></tr></table>	Density Resin + Hardener	1400 kg/m ³ (depending on color)	Viscosity	3500 mPA.s (± 500)	Shore hardness (DIN 53505)	~ D 40	Tensile strength (DIN 53455)	~ 5,8 MPa	Elongation at break (DIN 53455)	~ 180 %	Angle tear (DIN 53515)	~ 19 N/mm
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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 PSL 4400 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. 1,4 kg/m ² per mm layer thickness.												
Mixing ratio	80 Parts by weight Resin 704450 20 Parts by weight Hardener 904450												
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.												

Onze adviezen met betrekking tot de technische toepassing in woord, geschrift of door middel van proeven, worden naar beste weten verstrekt, doch gelden slechts als vrijblijvende aanwijzingen, ook ten aanzien van eventueel beschermende rechten van derden. Zij ontslaan u niet van de verplichting, de door ons geleverde producten op hun geschiktheid voor de beoogde procedures en doeleinden te controleren. Toepassing, gebruik en verwerking van de producten vinden plaats buiten onze controlemogelijkheden. Zij vallen derhalve onder uw eigen verantwoordelijkheid. In geval van eigen aansprakelijkheid blijft deze, voor alle schadegevallen, beperkt tot de waarde van de door ons geleverde en door u gebruikte goederen. Vanzelfsprekend garanderen wij u de goede kwaliteit van onze producten, e.e.a. volgens de in onze algemene verkoop- en leveringsvoorwaarden genoemde maatstaven.

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- 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.
A well- mixed material is uniform in colour 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.

Application time

The application time of the **Cuore PSL 4400** at 20 °C is about 15 to 20 minutes.

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

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

Drying and curing

The drying and curing times of the **Cuore PSL 4400**, at a layer thickness of 2 mm are as follows:

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

Colour - structure - gloss

On request from RAL/NCS - smooth - gloss

Packaging

10 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 PSL 4400**, especially in small, enclosed spaces, it is recommended to ventilate very well.

Tools

Cuore PSL 4400 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 PSL 4400** has a shelf life of 12 months minimum.

Note: **Cuore PSL 4400** 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.



Attention

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Cuore PSL 4400 may only be applied by trained and professional installers.

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