

Cuore ESL 3000

Composition	Cuore ESL 3000 is a 2-component, solvent free, self leveling epoxy.										
Application	Cuore ESL 3000 is applied as a seamless, wear resistant floor finish for several application areas such as: warehouses, distribution centres and production areas.										
Technical properties	<table> <tr> <td>Density Resin + Hardener</td><td>1770 kg/m³ (depending on colour)</td></tr> <tr> <td>Shore hardness (DIN 53505)</td><td>~ D 80</td></tr> <tr> <td>Pressure strength (DIN 53454)</td><td>~ 70 N/mm²</td></tr> <tr> <td>Wear resistance (Taber)</td><td>0,09 gram</td></tr> <tr> <td>ASTM D4060 CS 17 1000/1kg</td><td></td></tr> </table>	Density Resin + Hardener	1770 kg/m ³ (depending on colour)	Shore hardness (DIN 53505)	~ D 80	Pressure strength (DIN 53454)	~ 70 N/mm ²	Wear resistance (Taber)	0,09 gram	ASTM D4060 CS 17 1000/1kg	
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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 ESL 3000 is applied, the substrates needs to be fitted with a primer from the Cuore range and if necessary followed by a scratch layer. 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 of the Cuore ESL 3000 is about 1,8 kg/m ² per mm layer thickness.										
Mixing ratio	84 Parts by weight Resin 603910 16 Parts by weight Hardener 803910										
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										



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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.
- 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 ESL 3000** at 20 °C is about 25 to 30 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 ESL 3000**, 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

On request from RAL/NCS - smooth - gloss

Packaging

10 kg and 25 kg set packaging

Chemical resistance

Resistant against the most common chemicals. A chemical resistance list is available on request.

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 ESL 3000**, especially in small, enclosed spaces, it is recommended to ventilate very well.

Tools

Cuore ESL 3000 can be applied with:

- straight or toothed trowel
- squeegee

Tool cleaning

Used tools can be cleaned with **Cuore Tool Cleaner**.

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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Shelf life

In the original, unopened packaging, stored in a dry place between 5 °C and 25 °C, **Cuore ESL 3000** has a shelf life of 12 months minimum.

Note: Cuore ESL 3000 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

Cuore ESL 3000 may only be applied by trained and professional installers.