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Cuore PEP 6000

Composition	**Cuore PEP 6000** is a 3-component, solvent free product, based on hybrid technology. **Cuore PEP 6000** does not yellow under the influence of UV light. A catalyst (C-component) must be added to ensure that the product will cure. By adding more of this catalyst you can accelerate drying times. Especially at lower temperatures, small areas and a limited amount of time, this will give a great advantage.
Application	**Cuore PEP 6000** is a fast drying, universal primer for the most common substrates as concrete, cementitious screed and leveling compound.
Technical properties	Density Resin + Hardener ~ 1185 kg/m³
Solid content	100%
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. New cement based substrates must be at least, 4 to 6 weeks old, and must have a moisture content of no more than 3%, measured according to the calcium carbid method, before **Cuore PEP 6000** can be applied. A manual about substrate pre-treatment is available on request.
Consumption	The consumption of the **Cuore PEP 6000** depends on the roughness and porosity of the substrate. On average, the consumption is approx. 250-300 gram/m².
Mixing ratio	60 Parts by weight Resin 703100 40 Parts by weight Hardener 903100 0.5 Parts by weight Catalyst 503100 (see drying and during table on the next page)
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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A well-mixed material is uniform in color without containing clear or dark spots.
4) To avoid mixing errors or unmixed residue; poor the mixed material into a clean and empty container and mix again for a short time. Never use unmixed residue of the material 5) **O**pen the packaging of the catalyst and add these to the mixed A+B. Mix the 3 components mechanically during ca. 1-2 minutes till a homogenous mixture is formed.
Note: Only add the catalyst after mixing A+B!

Application time

The application time of the **Cuore PEP 6000** at 20 °C is about 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 PEP 6000** are slightly influenced by the consumption. The amount of catalyst and temperature have the biggest influence on the drying and curing. More information can be found in the overview below:

Catalyst: 0,5%

T(C°)	application time	recoatable	fully cured
30	-	-	-
20	30 min	120 min	300 min.
10	60 min	240 min	600 min.
5	120 min.	480 min.	1200 min.

Catalyst: 1,0%

T(°C)	application time	recoatable	fully cured
30	-	-	-
20	20 min.	80 min.	200 min.
10	40 min.	160 min.	400 min.
5	80 min.	320 min.	800 min.

Catalyst: 1,5%

T(°C)	application time	recoatable	fully cured
30	-	-	-
20	-	-	-
10	30 min.	120 min.	300 min.
5	60 min.	240 min.	600 min.

Catalyst: 2%

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	T(°C)	application time	recoatable	fully cured
	30	-	-	-
	20	-	-	-
	10	-	-	-
	5	30 min.	120 min.	300 min.

NOTE: the next layer needs to be applied within 4 hours after drying! In case it would take longer than 4 hours, the surface first needs to be sanded to guarantee a good adhesion.

Color - structure - gloss

Colorless - smooth - glossy

Packaging

5 kg and 10 kg set

The catalyst can be ordered separately in packages of 0,1 and 0,9 kg.

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 PEP 6000** , especially in small, enclosed spaces, it is recommended to ventilate very well.

Tools

Cuore PEP 6000 can be applied with:

- Straight trowel
- Roller

NOTE: When using rollers; the used rollers must be replaced by new rollers every 20-25 minutes in order to get a good result!

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 PEP 6000** has a shelf life of 12 months minimum.

Note: **Cuore PEP 6000** 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 and the optional C component are 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.