

## PU CEM L

### DESCRIPTION:

PUCEM L is an aromatic four component, solvent-free, pigmented, screed floor based on a polyurethane cement. PUCEM L is used as a topcoat for the PUCEM TF but also as a primer for the PUCEM SL. PUCEM L can even be used as a refurbish coating for older deteriorated PUCEM floors.

PUCEM L is known for its great chemical resistance and mechanical strength and is a robust, wear-resistant floor with a long lifespan with a smooth finish.

An Eurostep PUCEM L topcoat is liquid-tight, making it the ideal floor finish for the food, chemical and the pharmaceutical industry. It excels in chemical resistance against many types of acids, alkalis, salts and solvents, but also against mineral oils, kerosene, petrol, diesel and brake fluids. Furthermore it also features an extreme heat resistance so it is resistant to thermal shock and thus can withstand hot water. Last but not least the PUCEM L is characterized by the fast build-up of high strength on a period of short time and still shows an excellent flow and is easy to use.

### CONSUMPTION:

System	Product	Consumption
Primer	PU CEM L	~500 g/m <sup>2</sup>
Wearing Course	PU CEM SL	~10 kg/m <sup>2</sup>

System	Product	Consumption
Wearing Course	PU CEM TF	6 - 6,5 kg/m <sup>2</sup>
Broadcast	SL-Quartz 0,4 - 0,8	~4 kg/m <sup>2</sup>
	SL-Quartz 0,8 - 1,2	~4 kg/m <sup>2</sup>
Topcoat	PUCEM L 0,4 - 0,8	~700 g/m <sup>2</sup>
	PUCEM L 0,8 - 1,4	~1200 g/m <sup>2</sup>

### APPLICATION:

#### PAY ATTENTION!

- Please check if you have the right A and B components.
- Mixing is very important.
- Use the mixing time strictly because otherwise no chemical reaction takes place.
- When applying the product please wear protective clothing and gloves.

#### As Primer:

1. Before applying the PUCEM L as a topcoat for the PUCEM TF, first read the TDS of the PUCEM TF.
2. Pour the contents of the container with PUCEM L A-Component fully onto a 10 liter bucket.
3. Add the pigment paste (component D) and the complete contents of component B to component A.
4. Mix shortly homogeneous with a Collomix DLX 120 HF/DLX 120 M mixing rod.
5. Add the filler and mix at full power thoroughly until a lump-free mixture for approximately 1 - 2 minutes.
6. Pour out the mixture and spread the material evenly throughout the room. Always pour the complete contents of the bucket in 1 go to avoid a fast reaction of material left in the bucket.
7. For even consumption in a large room it is recommended that the space is divided into planes or strips with pieces of tape. That way you can you better regulate consumption.
8. When the entire substrate is coated evenly, the floor needs to cure for approximately 24 hours before it can be walked on. Of course, first test whether the floor is actually is walkable!

### PROPERTIES:

High chemical resistance

Temperature resistant

Abrasion resistance

### PACKAGING:

Component A: 2,5 kg resin

Component B: 2,7 kg hardener

Filler: 4,5 kg

Pigment paste: 0,3 kg

Set: 10 kg

### FORM:

Component A: Liquid, white

Component B: Liquid, yellowish to brown

Filler: Powder

Pigment paste: Liquid, colorful

### COLORS:

- Light grey
- Grey
- Dark grey
- Light yellow
- Yellow
- Green
- Blue
- Red

### APPLICATIONS:

- Food industry
- Chemical industry
- Pharmaceutical industry
- Dairy industry
- Company kitchen
- Bottle lines

## **SUBSTRATE PREPARATION:**

The substrate must be sound and sufficiently compression-resistant (at least 25 N/mm<sup>2</sup>), with a minimum adhesive strength of 1.5 N/mm<sup>2</sup>.

The substrate must be clean and dry and free of dirt, oil, grease and other soiling.

Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface.

Weak concrete and loose cementitious levelling must be removed and surface damage such as blowholes and voids must be repaired.

All dust, loose and friable material must be fully removed from all surfaces before the product is applied, preferably using a brush and/or industrial vacuum cleaner.

## **REMARKS:**

Do not use PUCEM SL on surfaces with rising damp.

After application PUCEM SL must be protected from damp, condensation and water for at least 24 hours (+20 °C).

Non-hardened material reacts with water (foaming), so while working, prevent drops of sweat falling into the material by using a headband and wristband!

Uneven or dirt covered substrates should not be treated with thin coatings. Both substrate and adjacent areas should always be thoroughly prepared and cleaned prior to application.

The incorrect assessment and treatment of cracks may lead to a reduced service life and recurrent cracking.

Immediately process all mixed material, otherwise at the end of the processing time the flow and de-aeration will decrease.

Use material with the same batch numbers to be sure of an exact and even color match.

If heating is required do not use gas, oil, paraffin or other fossil fuel heaters as they produce large quantities of both CO<sub>2</sub> and water vapour which may adversely affect the finish.

Only use electrically powered warm air blower systems when heating is needed.

Switch off underfloor heating during application and for the first 48 hours, after this period you may increase the temperature gradually.

Underfloor heating or high ambient temperatures, combined with a highly concentrated load, can, in certain circumstances, result in imprints in the resin.

Process the PUCEM SL in a room whose windows are taped, to prevent direct sunlight and prevent heating of the floor. Incoming sunlight can be detrimental to the defoaming and flow of the screed, and may cause other surface disturbances.

## **LEGAL NOTICE:**

This information, and in particular the recommendations related to the application and end use of Eurostep products, is provided in good faith based on our current knowledge and experience of the products. It is valid for products that are correctly stored, treated and applied under normal conditions in accordance with Eurostep's recommendations.

In practice, differences in materials, substrates and actual on-site conditions are such that no warranty in respect of merchantability or of suitability for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered.

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## **HEALTH AND SAFETY:**

For information and advice on the safe handling, storage and disposal of chemical products, the user should consult the most recent product safety data sheet consult, regarding the physical, ecological, toxicological and other safety-related data.

## **VALUE BASE:**

All technical data stated in this technical data sheet is based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

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