

Cuore PSL 4500

Composition	PSL 4500 is a 2-component, solvent-free, self-levelling, polyurethane casting floor with good colour stable properties.	
Application	PSL 4500 serves as a seamless, wear-resistant floor finish for various application areas, such as education, health care, homes, offices and public buildings.	
Technical properties	Specific gravity Basis + Hardener	1500 kg/m ³ (depending on colour)
	Viscosity	3500 mPa.s (± 500)
	Shore hardness (DIN 53455)	~ D 50
	Tensile strength (DIN 53455)	~ 8,1 MPa
	Elongation at break (DIN 53455)	~ 160%
	Tensile strength (DIN 53515)	~ 44 N/mm
Substrate pre-treatment	In order to achieve permanent adhesion of a plastic finish, the correct pre-treatment of the substrate is necessary. In general it is assumed that every substrate to be finished must be free of grease, oil, dirt, moisture and other contaminations that can negatively influence the adhesion to the substrate. This applies to both existing and newly applied substrates. Before applying PSL 4500 , the substrate should be provided with a primer from the Cuore range and a possible scraper coat. Cuore EP 1300 can be used as a primer for concrete floors and sand-cement screeds. A manual on substrate preparation is available on request.	
Consumption	Consumption is approx. 1,5kg/m ² per mm layer thickness.	
Mixing ratio	82 Base weight parts 704330	
	18 Hardener weight parts 904330	
Substrate temperature	min. 10 °C and max. 30 °C.	
	The substrate temperature must be at least 3°C above the dew point.	
Relative humidity	min. 30 % and max. 80 %	
Processing temperature	min. 10 °C and max. 30 °C	
Material processing time	min. 15 °C and max. 25 °C	
Mixing	1) Open the can with the base and mix the material until it is homogeneous.	
	2) Open the can with the hardener and add the hardener to the base.	

	3) Mix both components mechanically for approx. 2 minutes until a homogeneous mixture is obtained. A well-mixed material is of an even colour and contains no bright or dark spots. 4) To avoid mixing errors or unmixed residues: pour the mixed material into a clean, empty container and mix again briefly. Never use unmixed material residues.
Processing time	The processing time of Cuore PSL 4500 is between 15 and 20 minutes at 20°C. Please note that the processing times halves with a temperature increase of 10°C.
Drying and curing	The drying and curing time of the PSL 4500, with a layer thickness of 2mm, is as follows: - Can be painted after 16 hours and maximum within 48 hours at 20°C. - Cured after 7 days at 20°C.
Colour – structure – gloss level	On request from the RAL/NCS range – smooth - glossy
Packaging	10 kg and 25 kg sets
Precautions	It is important to follow the regulations applicable to the processing of plastics. Therefore, skin and eye contact should be avoided by using creams and/or liquid tight gloves, safety glasses, etc. When applying PSL 4500 , especially in small, closed rooms, we recommend to ventilate well.
Tools	Cuore PSL 4500 can be applied with: - (tooth)trowel - wiper
Maintenance	The used tools can be cleaned with a Cuore material cleaner.
Shelf life	In closed original batch, stored in a dry place between 5°C and 25°C, PSL 4500 has a shelf life of at least 12 months. Caution: PSL 4500 should not be stored at, or exposed to, temperatures below 5°C. After a certain time, some kind of separation may occur. It is necessary to mix the material to a 100% smooth homogeneous mass before adding the B-component. If in doubt about the homogeneity and/or fineness, we recommend sieving the material before further use. If the material can no longer be mixed into a homogeneous, smooth mass, please contact Cuore for advice.



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Note

Cuore PSL 4500 may only be used by trained and professional installers.

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