

Sikafloor[®] 14 Pronto

Polymethyl Methacrylate Floor Coating

Construction

Description	Sikafloor 14 Pronto is the resin component of the fast setting polymethyl methacrylate levelling mortar
Uses	The Sikafloor 14 Pronto system is used for rapid production of dense, non-porous floor coatings of 1.6 to 5.0mm thickness: <ul style="list-style-type: none"> • Entry ramps in car parks and underground garages. • Supermarkets
Advantages	<ul style="list-style-type: none"> • Extremely rapid curing process, even at low temperatures. • Good mechanical properties. • Good chemical resistance. • Excellent resistance to weather. • Slightly flexible - non-brittle. • Excellent thermal shock resistance.
Storage and Shelf Life	Stored in original sealed containers within the temperature range of 0°C to 20°C, this product will keep for a minimum of one (1) year.
Instructions for Use	
Surface Preparation	Surfaces must be clean and free from oils, grease or any contaminant. All loose materials and surface laitance must be removed. For larger areas, shot/track-blasting, scabbling or the use of a rotating disc or sander is recommended. On small areas, needle gunning or bush hammering is effective. Acid etching is also acceptable. The compressive strength of the substrate should be at least 25MPa. The tensile strength of the substrate should be at least 1.5MPa. Vacuum cleaning the surface prior to application is a must.
Priming	Normal nonporous surfaces must be primed thoroughly with the Sikafloor 13 Pronto system. Ensure complete wetting out of the substrate with the Sikafloor 13 Pronto system. Where porous substrates are found, prime thoroughly with two coats of the Sikafloor 13 Pronto system. Depending on the application conditions the second coat can be applied after 20 to 30 minutes (at 20°C)
Mixing	Thoroughly mix the Sikafloor 14 Pronto with a benzyl peroxide powder (BPO) in the appropriate proportions at low speed (300rpm) for a minimum of 2 minutes, maximum of 3 minutes. If coating thickness greater than 3mm is required, add up to 40% quartz sand (Sikadur-501).
Application	Place the Sikafloor 14 Pronto system onto the cured primed substrate. Apply evenly using a notched trowel or a spreader. Work down briefly with a spiked roller to ensure uniform thickness and to remove entrapped air. The material cures very quickly an application must be carried out steadily in order to achieve joint free floors. If an anti-skid surface is required, the Sikafloor 14 Pronto system can be blinded with quartz sand (Sikadur-505) immediately after application. The blinded coating can be sealed using the Sikafloor 16 Pronto system.
Cleaning	Clean all tools and equipment immediately after use with Sika Colma Cleaner. Once hardened, the material can only be removed by mechanical means.

Technical and Physical Data

Form	Grey Liquid	
Density	1.7kg / litre	
Solids Content	100% approx.	
Suggested Mixing Ratio	Sikafloor 14 Pronto resin + BPO hardener: 1 pbw Aggregate: 2.4 pbw	
Consumption	3 to 3.5 kg/m ²	
Flexural Strength	30 MPa (at 14 days, 23°C / 50% r.h)	
Compressive strength	32 MPa (at 14 days, 23°C / 50% r.h)	
Chemical resistance	Long term resistance to weak acids, 10% sodium chloride solution, petrol, lubricating oils, detergents. Short term resistance to hydrocarbons. No resistance to alcohols.	
Temperature resistance	Dry heat up to 100°C	
Pot life	30 minutes at 5°C 15 minutes at 20°C	20 minutes at 10°C 10 minutes at 30°C
Cure time	75 minutes at 5°C* 45 minutes at 20°C	90 minutes at 10°C 30 minutes at 30°C
	* values at 5°C are the result of the addition of 1% extra hardener	
Packaging	Sikafloor 14 Pronto resin: 20 kg pail or 180 kg drum	
Important Notes	At lower temperatures hardener has to be added. Aggregate can be reduced by 10% (approx. 2.4kg). In this case, 10kg hardener per 0.5kg reduced aggregate has to be added.	
Handling Precautions	<ul style="list-style-type: none"> • Avoid contact with skin and eyes. • Wear protective gloves and eye protection during work. • If skin contact occurs, wash skin thoroughly. • If in eyes, hold eyes open, flood with warm water and seek medical attention without delay. • A full Material Safety Data Sheet is available from Sika on request. 	
Important Notification	<p>The information, and, in particular, the recommendations relating to the application and end-use of Sika's products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness 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. The proprietary rights of third parties must be observed. All orders are accepted subject of our terms and conditions of sale. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.</p> <p>PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.</p>	

