

970 STANCOFLOOR

Description	Transparent, self-leveling, two component, epoxy resin system, for the coating of professional and industrial concrete floors of internal places, solvent free (CE according to EN 13813, category SR-B2,0-AR0,5-IR4). It shows great mechanical and chemical strength and great flexibility. It is suitable for places of medium and heavy traffic. It can be used as a varnish or as a self-leveling coating of professional and industrial concrete surfaces of internal places and also for the protection of metal surfaces. It can be used as a transparent resin for the creation and stabilization of decorative floors and stones etc. In case that the resin layer is not exposed directly to sunlight (e.g., decorative floor saturated with inert material), the system is suitable for application also to external places.	
Technical Information	Shade	Transparent
	Gloss	Glossy
	Solids	100% (A+B) (EN ISO 3251, non volatile)
	Theoretical coverage	1 m ² / kg /1mm (A+B)
	Mixing ratio	A:B-1,75:1 by weight
	Pot Life	45 min (25°C)
	Specific Weight	1,06 kg/lt ±0,05 (EN ISO 2811)
	Compressive Strength	~52 N/mm ² (970:QUARTZ SAND (1:1,5)) (EN 196-1)
	Flexural Strength	~27 N/mm ² (970:QUARTZ SAND (1:1,5)) (EN 196-1)
	Bond strength	4,3 N/mm ² (EN 13892-8)
	Abrasion Resistance	10 µm (wear resistance BCA EN13892-4)
	Impact resistance	19,8 Nm (EN ISO 6272)
	VOC	Ready for use maximum: 0 g/lt EU LIMITS(2010):500 g/lt SUBCATEGORY: j –two-pack performance coatings, floor coatings for cement floors, Type S
Drying Time (25°C)	Drying	24 hr (1 mm)
	Walk time	2 days (1 mm)
	Full Drying	5–7 days (1 mm)
	Minimum hardening temperature:	8°C
	(The above times are indicative and depend on the thinning percentage, relative humidity and temperature)	
Surface preparation	The surface where the product will be applied on must be clean and dry, clean from dust, detached pieces and other materials like oil, grease that can cause bad adhesion, must be protected from underneath moisture. It is suggested to treat the surface with 850 epoxy primer or with, 860 solvent free epoxy primer. It is applied, in one layer, with a brush or a roller without thinning. After priming, any existing imperfections (cracks, holes) should be filled using: • EPOXY PUTTY 800 (A+B), • STANCOFLOOR 970 (A+B), mixed with quartz sand with particle size 0,1-0,4 mm in mixing ratio 1:4 by weight. • EPOXY PRIMER 860, mixed with quartz sand with particle size 0,1-0,4mm and mixing ratio from 1:3 to 1:10 (per weight). The coated surface is ready to be recoated minimum after 12 hr-maximum after 36 hr. (hardening 24 hours)	
Mixing	Mix the two components according to the ratio A:B - 1,75:1 w/w (per weight). The two components should be mixed for 2-3 minutes using a mechanical stirrer in low speed. It is important to stir the mixture thoroughly near the sides and bottom of the container, to achieve uniform dispersion of the hardener. During the mixing, low speed for a short time should be used, in order to avoid the risk of developing high temperatures in the mixture, which would lead to reduction of pot life - steep polymerization and destruction of the material.	

CAUTION: After mixing, the product must be used within 40 minutes.

Application

Protective varnish:

It is applied in one layer with a brush or roller without thinning. If necessary, it can be thinned with a special reactive diluent-additive R-90 up to 5% maximum or with thinner 1131 up to 5-10%.

Consumption 970 STANCOFLOOR (A+B): 200-300 g/m²/layer

Self-leveling epoxy flooring:

970 STANCOFLOOR is used as a self-leveling epoxy transparent coating with decorative quartz sand or other filling material with pre-mixing or spread, depending on the desirable effect. If necessary and in order to improve the thixotropy of the mixture, a special reactive diluent-additive R-90 is added up to 5% maximum.

Consumption 970: 1,06 kg/m²/1 mm (A+B)

Application temperature 10°C-30°C

Application humidity <60% relative humidity

Surface humidity <4%

Clean the tools right after its use with the suggested thinners.

Choosing the right thinner depends on how it is applied, as well as the temperature and humidity conditions. For correct selection, please contact our responsible department.

Epoxy layers should be protected from moisture for 6-8 hours after application. Moisture may whiten the surface and/or make it sticky, and also may affect hardening times.

In case of exceeding the recoating times, you need to prepare the surface by roughening of it with sandpaper or other mechanical means.

Storage

For 12 months in a dry and cool place (5-30°C)

Safety

Please consult the Material Safety Data Sheet. Available upon request.

For the selection and application of industrial floor systems, our company cooperates with authorized- licensed technical applicators. For more information please, contact us. In the event that material selection and application are not made by these technical applicators, the company assumes no guarantee and responsibility for the final result.

This Technical Data Sheet replaces and cancels every previously issued. The information, instructions, recommendations and specifications mentioned in this data sheet, represent the results and experience obtained from testing under controlled or specially adapted conditions. The accuracy and relevance of these results to the actual conditions, in which you apply the product, must be determined and depend only on the purchaser and/or applicator.