



TEKNOFLOOR 200F

rollable epoxy coating

PRODUCT TYPE

TEKNOFLOOR 200F is a two component, solvent-free epoxy coating for concrete floors.

USAGE

Used for concrete floors whenever a paint coat resistant for hard abrasion is required. TEKNOFLOOR 200F is a low viscous, self-levelling, solvent-free floor coating, which is also free from benzoic alcohol. Suitable for both priming and top coating as roller application.

TECHNICAL DATA**Mixing ratio**

Base (Comp. A):
Hardener (Comp B): TEKNOFLOOR HARDENER 200H

2.5 parts by volume
1 part by volume

Pot life, +23 °C

1 h 20 min

Solids

100 % by volume

Total mass of solids

abt. 1300 g/l

Volatile organic compound (VOC)

abt. 0 g/l

Spreading rate

Depending on the surface strength of the concrete.

The recommended values for surface-ground hard and vacuum concrete floors:

1. application with diluted coating 5 - 8 m²/l
2. application with undiluted coating 5 - 8 m²/l

**Drying time at +23°C / 50% RH
- fit for light traffic**

after 16 h

The drying time is as previously mentioned when the temperature of the product as well as air and surface is +23°C.

Overcoatable

surface temperature	by itself	
	min.	max.*
+10°C	after 24 h	after 48 h
+23°C	after 8 h	after 24 h

* Maximum overcoating interval without roughening.

Increase in film thickness and rise in the relative humidity of the air in the drying space usually slow down the drying process.

Thinner, clean up

TEKNOSOLV 9506

Finish

Gloss

Colours

Base paint 1 and standard colours TM-114 and RAL 7038.

The product is included in the Teknomix tinting system.

NOTE! Sunlight will change the colour and glossiness of the coating in the course of time.

SAFETY MARKINGS

See Safety Data Sheet.

PTO

DIRECTION FOR USE**Surface preparation**

NEW CONCRETE FLOOR: The concrete must be at least 4 weeks old and well-hardened so that all moisture from casting is bound and the surface dry. The moisture of the concrete must not exceed 97% as relative humidity or 4% by weight (by 54 / BLY 12).

Dense laitance is to be removed from steel-trowelled concrete by shot-blasting or surface grinding. Brittle and powdery top layers are treated so that the solid concrete containing aggregate is exposed. Thereafter all cement dust is removed by vacuum cleaner or brush. The concrete surface must be clean of anything that might hinder the adhesion.

Surface grinding is good method to remove laitance from the floor. It is usually done on a new industrial floors as wet grinding in connection with casting. Shot-blasting is another excellent method for removing laitance. Etching is used if grinding or shot-blasting cannot be used. It is mainly recommended for small areas.

Etching is to be done with RENSA ETCHING etching liquid or with diluted hydrochloric acid (1 part acid to 4 parts water). Rinse the floor with water after etching and allow to dry. On the concrete surface must not be anything that will prevent the adhesion.

OLD CONCRETE FLOORS: Uncoated, greasy floors are cleaned by e.g. emulsion wash. Thereafter laitance is removed by surface grinding or etching. Flaking old paint, and laitance can be removed by diamond-wheel abrading, blast-cleaning, shot-blasting or wet grinding.

Application

Crevice and cavities are to be repaired before the first application with TEKNOPOX FILL Stopper or with stiff putty prepared by mixing an adequate amount of dry sand (grain size 0.1 - 0.6 mm) with solvent-free TEKNOFLOOR PRIMER 310F Epoxy Varnish.

THE PRIMING COAT is applied "wet-to-wet" with paint that is diluted by 10 - 30 % with TEKNOSOLV 9506 or TEKNOSOLV 9515. TEKNOSOLV 9515 has milder odour and can therefore be used in spaces, where strong smells are to be avoided. Apply the paint generously, so that the surface is sealed. Pour the paint on the floor and apply with short-piled mohair roller. Recoat immediately all areas that have absorbed the paint completely. The number of priming coats depends on the quality of the concrete surface. The priming coating may have to be done several times.

THE TOP COAT is applied 8 - 24 hours after the priming with undiluted paint. Apply enough coating to get a uniform, thin film. The application is done the same way as for the priming coat.

It is recommended that paint of the same batch is used for painting large uniform floors and avoid mending by re-rolling already partly dried surfaces. If paint from different batches must be used, the application is to be planned so that the seams between batches are done to natural lines, i.e. sills and expansion joints.

Wear spike-soled shoes when walking on fresh paint surface.

Application conditions

The surface to be painted must be dry. During the application and drying period the temperature of the ambient air, the surface and the paint shall be above +10°C and the relative air humidity below 80%. Additionally the temperature of the surface to be painted and the paint must be at least 3°C above the dew point of the ambient air.

ADDITIONAL INFORMATION

The storage stability is shown on the label. Store in a cool place and in tightly closed containers.

The information of this data sheet is normative and based on laboratory tests and practical experience. Teknos guarantees that the product quality conforms to our quality system. Teknos accepts, however, no liability for the actual application work, as this is to a great extent dependent on the conditions during handling and application. Teknos accepts no liability for any damage resulting from misapplication of the product. This product is intended for professional use only. This implies that the user possesses sufficient knowledge for using the product correctly with regard to technical and working safety aspects. The latest versions of Teknos data sheets, material safety data sheets and system sheets are on our home pages www.teknos.com.



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