

TEKNOPOX FILL

Epoxy Stopper

STOPPER TYPE	TEKNOPOX FILL is a two-pack, solvent-free stopper based on epoxy resin.
USAGE	Intended to be used for stopping up pitted steel and porous concrete surfaces subjected to heavy abrasion.
SPECIAL PROPERTIES	TEKNOPOX FILL is easy to apply. It can also be used on vertical surfaces, because it does not run or sag.
APPROVALS	The product has CE approval for protection of concrete structures. Additional information: see page 3: "CE MARKING".

TECHNICAL DATA

Mixing ratio	Base (Comp. A): white Hardener (Comp. B): TEKNOPOX FILL HARDENER (black)	1 part by volume 1 part by volume
Pot life, +23 °C	30 - 60 min (mixture poured out on the floor) 20 - 40 min (mixture kept in the vessel)	
Solids	100 % by volume	
Total mass of solids	abt. 1000 g/l	
Volatile organic compound (VOC)	abt. 0 g/l	

Drying time at +23°C / 50% RH

- dust free (ISO 9117-3:2010)	after 6 h
- fit for light traffic	after 16 h
- fully cured	after 7 days

Overcoatable with stopper or paint

surface temperature	by itself or suitable primers and top coats	
	min.	max.*
+10°C	as soon as the stopper is set	after 2 d
+23°C	as soon as the stopper is set	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.

Clean up	TEKNOSOLV 9506
Colours	Light grey
SAFETY MARKINGS	See Safety Data Sheet.

PTO

DIRECTION FOR USE**Surface preparation**

Remove from the surfaces any contaminants that might be detrimental to surface preparation and painting. Remove also water-soluble salts by using appropriate methods. The surfaces are prepared according to the different materials as follows:

STEEL SURFACES: After general cleaning the steel surfaces are blast-cleaned to preparation grade Sa 2½.

CONCRETE SURFACES: The concrete must be at least 4 weeks old and dry. Remove brittle concrete by grinding or hydro-blasting with sand.

Mixing of the components

Take into consideration the pot life of the mixture when estimating the amount to be mixed at a time. Before painting the base and hardener are mixed in right proportion. Stir thoroughly down to the bottom of the vessel. Mixing by machine is recommended, for example a slow-rotating hand-drill equipped with a mixer. Inadequate stirring or incorrect mixing ratio results in imperfect curing and impaired film properties.

Mix small amounts carefully with spatula. Mixing has to be done thoroughly, so that the black hardener does not show as streaks in the mixture.

Application conditions

The temperature of the ambient air, the surface and the stopper shall be above +10°C and the relative air humidity below 80% during the application and drying period.

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.

Application of stopper

The stopper is used as such for filling dents that are 0 - 10 mm deep. When filling holes deeper than this, add sand of grain size 0.1 - 0.6 mm (e.g. 2 parts stopper mixture + 1 part of sand).

Apply the stopper by steel trowel. Remove trowel marks and splashes by scraping as soon as the stopper is set. The stopper can be sanded down after about 16 h. It is recommended that the sanding should be done before the stopper sets too much (within 16 - 48 h).


ADDITIONAL INFORMATION

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

Additional instructive information for surface preparation can be found in standards EN ISO 12944-4 and ISO 8501-2.

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CE MARKING

	
0809	
Teknos Oy Takkatie 3, P.O. Box 107 FI-00371 Helsinki, Finland 20 Declaration of Performance No. 0055	
0809-CPR-1063 EN 1504-2:2004 Surface protection products – Coating Physical resistance (5.1) Chemical resistance (6.1)	
Abrasion resistance	Requirement: Weight loss less than 3000 mg
Capillary absorption and permeability to water	Requirement: $w < 0,1 \text{ kg/m}^2 \times \sqrt{h}$
Resistance to severe chemical attack, Class I	Requirement: Reduction in hardness of less than 50 %
Adhesion strength by pull-off test	Requirement: Rigid system without trafficking: $\geq 1,0 (0,7) \text{ N/mm}^2$
Dangerous substances	See safety data sheet

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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