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DATA SHEET 1355
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TEKNOFLOOR AQUA PRIMER 130F
Epoxy Varnish

VARNISH TYPE

TEKNOFLOOR AQUA PRIMER 130F Epoxy Varnish is a water-borne, two-pack epoxy varnish for concrete floors.

USAGE

TEKNOFLOOR AQUA PRIMER 130F Epoxy Varnish is used as a primer under epoxy coating and composition.

SPECIAL PROPERTIES

TEKNOFLOOR AQUA PRIMER 130F Epoxy Varnish can be used on a fresh, 2 - 3 days old concrete surface. The varnish is also suitable for priming damp concrete.

TECHNICAL DATA

Mixing ratio

Base (Comp. A):	4 parts by volume
Hardener (Comp B): TEKNOFLOOR AQUA PRIMER HARDENER 130H	1 part by volume

Pot life, +23 °C

3 h

Solids

40 ±2% by volume

Total mass of solids

abt. 400 g/l

Volatile organic compound (VOC)

abt. 40 g/l

Spreading rate

Depending on the roughness and absorbency of the surface. Standard value for a steel-trowelled, surface-ground concrete floor:
1. application 4 - 6 m²/l
2. application 7 - 9 m²/l

Drying time at +23°C / 50% RH

- touch dry (ISO 9117-5:2012)	after 16 h
- fully cured	after 7 days

Overcoatable

	by itself, with TEKNOFLOOR AQUA 110F A, TEKNOFLOOR PRIMER 5730 A or TEKNOFLOOR 5600 A	
surface temperature	min.	max.*
+10°C	after 2 d	after 3 days
+23°C	after 16 h	after 2 d

* 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

Water (dilution volume 10 - 20%)

Clean up

Water and synthetic washing agent

Finish

Gloss

SAFETY MARKINGS

See Safety Data Sheet.

PTO

DIRECTION FOR USE

Surface preparation

NEW CONCRETE FLOOR:
Dense laitance is to be removed from steel-trowelled concrete by shot-blasting, surface grinding or etching. Brittle and powdery top layers are treated so that the solid concrete containing aggregate is exposed. After the surface preparation cement dust is removed by vacuum cleaner or brush.

OLD CONCRETE FLOORS: Uncoated, greasy floors are cleaned by emulsion wash. Thereafter laitance is removed by shot-blasting, scarifying, surface grinding or etching. Scarifying and shot-blasting are the best methods for removal of disrepair concrete or old flaking paint or composition layers.

Choosing the preparation method

The surface preparation method for both new and old concrete is chosen according to condition of the concrete and strain the floor will be exposed to. The best method for floors to be attacked by heavy abrasion, chemicals or hot water is scarifying or shot-blasting. Surface grinding is enough if the floor will be subjected to minor abrasion only. In general, surface preparation by etching is not recommended for composition floors within industry. Etching is mainly used for small areas when mechanical preparation methods are not applicable.

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.

Varnishing

The priming is done with varnish that has bee diluted 10 - 20% by water. There MUST NOT BE ANY WATER on the floor during application! At first mix the base and hardener carefully with a slow rotating-drilling machine. Thereafter dilute with water at the same time stirring. Do not use solvents for thinning!

Pour the mixture immediately on to the floor as a streak and spread out with a short piled mohair roller. Apply the varnish generously so that the concrete surface is saturated with the varnish. Areas where the varnish has been absorbed totally are to be treated again after about 16 hours (+23°C) from the first application. If the surface remains porous, air bubbles may form when applying the varnish. Crevices and cracks are filled with TEKNOPOX FILL.

The coating can be applied when the varnish has been drying for over 16 hours (+23°C). If the varnish has been drying for over 48 hours (+23°C) the varnished surface is to be rubbed down and cleaned before coating.

Application conditions

During the varnishing and drying period the temperature of the ambient air, the surface and the varnish shall be above +10 °C and the relative air humidity below 80 %.
Additionally the temperature of the surface to be varnished and the varnish must be at least 3°C above the dew point of the ambient air.
Make provision for adequate ventilation during the application.

ADDITIONAL INFORMATION

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

MUST NOT FREEZE.

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