

TEMAFLOOR 400

DESCRIPTION

A two component solvent free epoxy varnish.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Used as a binder for TEMAFLOOR 4000 grinding screed and epoxy concrete.
- ◆ Suitable for dust binding and priming of new and old concrete floors under TEMAFLOOR coatings.
- ◆ Filled with sand also suitable for patching of concrete floors.

TECHNICAL DATA

Volume solids

Approx. 100 %.

Specific gravity

1.1 kg / litre (mixture).

Mixing ratio and product codes

Base	3 parts by volume	008 4403
Hardener	1 part by volume	008 4404

Pot life (+ 23 °C)

Approx. 30 minutes after mixing, on substrate.

Practical coverage

Coverage on concrete floors is on the average:

Primer	5 - 8 m ² /l
Topcoat	6 - 10 m ² /l

Practical coverage depends on the porosity and evenness of the substrate and on the application method.

Drying time (+ 23 °C)

Dust dry	6 h
Recoatible	16 - 24 h
Fully cured	7 d

Thinner and cleaning of equipment

Thinner 1029.

Finish

High gloss.

VOC

Does not contain Volatile Organic Compounds.

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Surface preparation	<p>New concrete Remove laitance by power grinding, vacuum grit blasting or hydrochloric acid etching. Choose the method best suited for the premises. After grinding remove dust carefully with a vacuum cleaner. Hydrochloric acid etching is carried out with diluted hydrochloric acid (1 part concentrated hydrochloric acid, 4 parts water). Rinse with plenty of water. Dry the floor.</p> <p>Old concrete Remove all grease, oil, chemicals and other impurities by detergent washing. Remove old peeling paint layer by grinding or vacuum grit blasting. Choose the method best suited for the premises. Clean out pot-holes removing all loose friable material. Open cracks with e.g. an abrasive tool. Remove loose material and dust.</p>
Application conditions	The relative humidity of the concrete should not exceed 97 %. The temperature of the ambient air, surface or coating should not fall below + 15 °C during application or drying. Relative humidity of air should not exceed 80 %.
Mixing components	Mix the correct proportions of base and hardener thoroughly (approx. 2 minutes) by using a low speed hand drill with a paddle. The amount of mixture depends on the area to be coated and on the pot life of the mixture. Insufficient mixing or incorrect mixing ratio will result in uneven drying of the surface, weaken the properties of the coating and risk the success of the application.
Priming	Prime using 10 - 30 % thinned TEMAFLOR 400 epoxy varnish. Pour the varnish onto the floor and apply as much as is needed to impregnate the concrete surface. If necessary, repeat the priming to get a non-porous surface. Subsequent treatment can be carried out after 2 hours using "wet-on-wet" technique.
Patching	Patch pot-holes and cracks with a mixture of unthinned TEMAFLOR 400 epoxy varnish and dry, clean sand. Mixing ratio e.g. 1 part by volume of epoxy mixture and 1 - 2 parts by volume of sand of grain size 0.5 - 1.2 mm.
Topcoat	Overcoating should be done within 16 - 24 hrs after priming. If the primed surface is not overcoated within 24 hrs, it should be abraded. Use unthinned TEMAFLOR 400 varnish for the topcoat. Pour the varnish mixture onto the floor, spread with a rubber trowel and level with a roller.
HEALTH AND SAFETY	<p>Containers are provided with safety labels, which should be observed. Further information about hazardous influences and protection are detailed in individual health and safety data sheets.</p> <p>A health and safety data sheet is available on request from Tikkurila Coatings Oy.</p> <p>For professional use only.</p>

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