Temafloor 402M

DESCRIPTION	A two-component solvent-free, low emission, epoxy primer.

PRODUCT FEATURES AND RECOMMENDED USES

- The M1 classification for low-emitting building materials has been granted by the Finnish Building Information Foundation RTS
- Penetrates well into the pores of the concrete sealing the surface and giving good adhesion for coatings and screeds
- Filled with sand also suitable for patching of concrete floors
- Ready to use without thinning
- Suitable for dust binding and priming of new and old concrete floors under Temafloor' epoxy and polyurethane coatings

TECHNICAL DATA

Volume solids

approx. 100%.

Specific gravity

1.1 kg/l (mixture)

Mixing ratio

By volume
Base   2 parts by volume   Temafloor 402M
Hardener   1 part by volume   Temafloor 402M Hardener

By weight
Base   2,2 parts by weight   Temafloor 402M
Hardener   1 part by weight   Temafloor 402M Hardener

Pot life (+23°C)

Approx. 20 minutes after mixing, on substrate.

Practical coverage

Coverage on concrete floors is on the average:
Primer   5–8 m²/l
Practical coverage depends on the porosity and evenness of the substrate and on the application method.

Drying time (+23°C)

Dust dry after 6 hours
Recoatable after 16–24 hours
Fully cured 7 days

Application method

rubber trowel, roller

Cleaning of equipment

Thinner 1029

Colors

Clear to reddish

Thinning instructions

It is not recommended to thin Temafloor 402M.

VOC

VOC 2004/42/EC (cat A/j) 500 g/l (2010)
Temafloor 402M: max. VOC < 500 g/l

Can sizes

10,0 L

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APPLICATION INSTRUCTIONS

Surface preparation

Always remove all grease, oil, and other impurities with Maalipesu detergent before grinding. Remove laitance or old peeling paint layers by power grinding, milling, or vacuum grit blasting. Choose the method best suited for the premises. Clean out pot holes removing all loose or brittle material. Open cracks with e.g. an abrasive tool. After mechanical pre-treatment remove all loose material and dust carefully with a vacuum cleaner.

The substrate must have a tensile strength above 1.5 MPa. For application on cementitious leveling screed: check compatibility with the leveling screed manufacturer.

Application conditions

The relative humidity of the concrete should not exceed 97%. Residual moisture content should be below 4 weight-%. The temperature of the ambient air, surface or coating should not fall below +15ºC during application or drying. Relative humidity of air should not exceed 80%.

Mixing components

First stir base and hardener separately. Mix the correct proportions of base and hardener thoroughly (approx. 2 minutes to get homogenous mixture) by using a low speed industrial hand drill with a paddle. 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

Pour the varnish mixture onto the floor and apply as much as is needed to impregnate the concrete surface. If necessary, repeat priming to get a non-porous surface. A porous priming coat will result in holes and air bubbles in the finished coating. Subsequent treatment can be carried out using "wet-on-wet" technique.

Patching

Patch pot-holes and cracks with a mixture of unthinned Temafloor 402M epoxy varnish and dry, clean sand. Mixing ratio e.g. 1 part by volume of varnish mixture and 1–2 parts by volume of sand of grain size 0.1–0.6 mm. Sand the patched areas before overcoating, if necessary.

Note! Concrete surface should always be primed before patching.

Topcoating

Overcoating should be done within 16–24 hrs after priming. If the primed surface is not overcoated within 24 hrs, it should be abraded.

Note! Add the remaining mixture to the next batch of the product, do not scrape it out of the container onto the floor.

HEALTH AND SAFETY

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.

A health and safety data sheet is available on request from Tikkurila Oyj.

For industrial and professional use only.

Temafloor 402M

EN 1504-2

The European harmonized productstandard EN 1504-2:2004 defines the requirements for surface protection systems for concrete.
This product is tested and CE-labelled in accordance with the tables 1d, 1f and 1g in the appendix ZA.

CE
0809
Tikkurila Oyj Heidehofintie 2 FI-01300 Vantaa
21
0809-CPD-0773
TIK-A059-2021
EN 1504-2
Product for protection and repair of concrete structures – Coating.

Permeability to CO_2	$s_D > 50$ m
Capillary absorption and permeability to water	$w < 0,1$ kg/m² · h0,5
Reaction to fire	Bfl-s1
Adhesion strength by pull off test	≥ 2,0 N/mm²
Release of dangerous substances	NPD
Permeability to water vapour	Class II, 5m< s_D < 50m