



EP 1000

mortar floor

Description and application

Qeshfloor EP 1000 mortar floor is a 3-component, solvent-free, epoxy-based, 5 to 12 mm thick floor finish with mineral fillers.

Suitable as a durable, seamless, (coloured) finish for cement-bonded and anhydrite-bonded sub-floors and tiled floors.

Qeshfloor EP 1000 mortar floor is especially suitable as a finish for floors in:

- ▶ industrial production halls
- ▶ abattoirs
- ▶ commercial kitchens
- ▶ workplaces

and anywhere where high requirements are put on mechanical- and chemical resistance and hygiene.

Qeshfloor EP 1000 mortar floor can also be used on skirting and vertical surfaces.

Important

- ▶ Application conditions:
 - Minimum sub-floor temperature: 10°C and 3°C above the dew-point.
 - Optimum application temperature: 20°C.
 - Maximum atmospheric Relative Humidity (R.H.): 85%.
- ▶ Use neutral or slightly alkaline cleaning agents.
- ▶ Qeshfloor cleaning cloths* from Unipro are particularly suitable for removing wet splashes.
- ▶ For further information consult the 'Guidelines for cleaning Qeshfloor mortar floors'.
- ▶ It is possible to provide you with individual cleaning and maintenance advice.
- ▶ Store exclusively in the original packaging and store in a cool, dry, well-ventilated place.

Properties / product advantages

- ▶ Very high compressive strength
- ▶ Resistant to impacts, shocks and wear
- ▶ Good resistance to chemicals
- ▶ Can be applied on sloping surfaces
- ▶ Machine-processing possible

Technical information

DUST-DRY	after ca. 6 hours**
FOOT TRAFFIC	after ca. 16 hours**
COATING TREATMENTS	after ca. 16 hours, apply the next layer/ treatment within 24 hours**
DENSITY	mixed product: ca. 2,06 kg/dm ³
STORAGE LIFE	under favourable conditions ca. 12 months
COLOUR	Natural and 10 standard colours in accordance with the colour chart for Qeshfloor mortar floors, other colour upon request
LAYER THICKNESS	5 - 12 mm
MECHANICAL LOADS	after 3 x 24 hours**
CHEMICAL- AND WATER LOADS	after 7 x 24 hours**
MECHANICAL VALUES	bending tensile strength: 30 - 32 MPa (N/mm ²)**** compressive strength: 80 - 85 MPa (N/mm ²)****
MIXING PROPORTIONS	8.4 wt.% comp. A., 4.1 wt.% comp. B. 87.5 wt.% comp. C
SOLIDS CONTENT	100%
COVERAGE	ca. 2.00 kg/m ² /mm layer thickness
PACKAGING	set: A + B + C = 24 kg and 72 kg A: bucket B: can or 25 kg can C: bag
APPLICATION TIME	ca. 30 minutes**
FLASH POINT	comp. A: > 55°C / comp. B: > 55°C comp.C: n.a.
RESISTANCE TO FROST	yes*****

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* See relevant documentation

** At 20°C and 65% atmospheric R.H.

*** Before use read the appropriate application guidelines

**** After 28 days hardening at 23°C (according to DIN EN 196-1).

***** Large temperature differences must be avoided because this can lead to temperature shock and can adversely affect the final result

EP 1000

Sub-floor

The sub-floor must be resistant to pressure and stress, permanently dry and clean. It must also be free of cracks and substances which could reduce the adhesion.

A cement-bonded or anhydrite-bonded sub-floor must have been laid at least 28 days prior.

Remove any cement-skin and concrete residues by grinding and/or sanding.

Smooth and dense sub-floors (e.g. concrete) should be roughened by blasting (dust-free). Roughen anhydrite self levelling floors by blasting and/or sanding (depending on the surface tensile strength). Unclean surfaces should be treated with a flame-gun and thereafter sanded. Always vacuum the floor to remove dust using an industrial vacuum cleaner.

Consult our technical service for application on other types of sub-floors.

Prime cement-bonded sub-floors and anhydrite-bonded self levelling floors and/or apply a layer of Qeshfloor EP 6055 base resin* or another suitable Qeshfloor product. Consult the relative documentation regarding primers.

Application of Qeshfloor EP 1000***

Mix the components thoroughly.

Pour this mixture onto the pretreated sub-floor and distribute to the desired layer thickness using a flat trowel and if necessary a straightedge.

Clean equipment immediately after use with UZIN VE 124 cleaner*.

▶ Liquid-impermeable matt (antislip) version

Apply one or more layers of Qeshfloor EP 7950 sealant layer* to the mortar floor and then finish with Qeshfloor PU 7770 matt sealant layer* or Qeshfloor EP 7760 matt sealant layer*. Finish with Qeshfloor PU 7970 antislip sealant layer* for an antislip finish.

▶ Easy to clean surface

To get an easy to clean finish, apply two layers of Qeshfloor EP 7760 matt sealant layer* to the mortar floor.

Work safety

Component A. Irritant. Harmful for the environment.

Contains epoxy derivatives. Irritating for the eyes and skin. Can cause hypersensitivity if contacted with the skin. Toxic for aquatic organisms; can be harmful to the aquatic environment in the long term. Avoid contact with the skin. If contacted with the skin, wash immediately with a lot of water and soap. Wear suitable protective clothing and gloves and wear protection for the eyes / face. Prevent discharge to the environment. Request special instructions / a safety card. See instructions provided by the manufacturer. These are included on the safety sheet.

Hazard class of component A: 9.

Component B. Corrosive. Harmful to the environment.

Contains benzyl alcohol and isophorondiamine. Harmful if inhaled, swallowed or contacted with the skin. Causes burns. Can cause skin hypersensitivity. Toxic for organisms in the aquatic environment; can cause harmful effects to the aquatic environment in the long term. If contacted with the eyes, immediately flush the eyes with a lot of water and consult a doctor. Always wear suitable protective clothing and gloves and protection for the eyes/face. In the event of an accident or if one feels unwell, consult a doctor immediately and if possible show the doctor this sheet. Treat this material and the packaging as hazardous waste. Prevent discharge to the environment. Request special instructions / a safety card.

Hazard class of component B: 8.

Hazard class of component C: none.

Regarding components A and B, see the safety sheet for Qeshfloor EP 1000 mortar floor. This documentation conforms to the Dutch law of 29 April 1993 concerning the safety documentation sheets of environmentally dangerous substances (Veiligheidsinformatiebladenbesluit Wet Milieugevaarlijke stoffen).