

EP 1250

mortar floor

Description and application

Qeshfloor EP 1250 mortar floor is a machinable, 3-component, solvent-free, epoxy-based, 5 to 12 mm thick floor finish with mineral fillers.

Suitable as a durable, seamless, natural-coloured finish for cement-bonded and anhydrite-bonded sub-floors and tiled floors. Qeshfloor EP 1250 mortar floor is especially suitable as a finish for floors in:

- ▶ Industrial production halls
- ▶ Abattoirs
- ▶ Commercial kitchens
- ▶ Workplaces

and anywhere high requirements are put on wear resistance, resistance to chemicals and hygiene. Qeshfloor EP 1250 can also be applied 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

- ▶ High compressive strength
- ▶ Resistance to impacts, shocks and wear
- ▶ Impermeable version possible
- ▶ Good resistance to chemicals
- ▶ Can be applied by hand or by machine
- ▶ Component C has a natural colour

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. 1.80 kg/dm ³
STORAGE LIFE	under favourable conditions ca. 12 months
COLOUR	natural
APPEARANCE	mixed
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: ca. 20 MPa (N/mm ²)**** compressive strength: ca. 45 MPa (N/mm ²)****
MIXING PROPORTIONS	6.06 wt.% comp. A. 3.03 wt.% comp. B 90.91 wt.% comp. C
SOLIDS CONTENT	100%
COVERAGE	ca. 1.80 kg/m ² /mm layer thickness
PACKAGING	set: A + B + C = 74.25 kg A: can B: 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*****

* 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

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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 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 1250***

Mix the components thoroughly. Pour this mixture onto the prepared surface. Using a drag-frame, flat trowel and if necessary a straight-edge distribute in the desired layer thickness and finish with a roto-blade machine or trowel.

Clean equipment immediately after use with UZIN VE 124 cleaner.

- ▶ For a liquid-impermeable matt (antislip) finish:

First apply one or two layers of Qeshfloor EP 7950 sealant layer* to the self levelling floor and then apply Qeshfloor PU 7770 matt sealant layer* to get a matt finish*. For an antislip finish apply Qeshfloor PU 7970 OV antislip sealant layer*.

Work safety

Component A. Irritant. Harmful to the environment. Contains epoxy derivatives, bisphenol-A-epichlorohydrin epoxy resin and bisphenol-F-epichlorohydrin epoxy resin. Irritating for the eyes and skin. Can cause skin hypersensitivity. Toxic for organisms in the aquatic environment; can cause harmful effects to the aquatic environment in the long term. Avoid contact with the skin. If contacted with the skin, immediately wash the skin with a lot of water and soap. Always wear suitable protective clothing, gloves and protection for the eyes/face. Prevent discharge to the environment. Request special instructions / a safety card. See the manufacturer's instructions. 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, gloves and protection for the eyes/face. In the event of an accident or if one feels unwell, immediately consult a doctor (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. See the manufacturer's instructions. These are included on the safety sheet. Hazard class of component B: 8.

Hazard class of component C: none.

Regarding components A and B, see the safety sheet for Qeshfloor EP 1250 cast floor. This sheet conforms to the Dutch law of 29 April 1993 concerning the safety documentation sheets of environmentally dangerous substances (Veiligheidsinformatiebladenbesluit Wet Milieugevaarlijke stoffen).