

Floor HG25

Self levelling, fast high-build floor screed for indoor use



Product description

Marlon Floor HG25 (Danish name: Marlon Flydespartel HG25) is a factory-produced, self-levelling dry mortar made from fast hardening cement, mineral additives, polymer and oven-dried fine-grained silica sand. The product is ready for use after clean water is added and the mixture is mixed effectively.

Benefits

- Can be applied in thicknesses up to 80 mm
- Pumpable and self-levelling flooring
- Volume-stable, laying of large, jointfree areas
- Fast drying
- Just add water

Applications

Marlon Floor HG25 is a universal self-levelling liquid floor screed that is typically used as underlayment for other self-levelling toplayers (as Marlon Floor H30 or H35) or carpets, clinkers, woodfloors, linoleum, vinyl and tiles. Marlon Floor HG25 may not be used outdoors and must, in areas where there is continuous exposure to water, be covered in an MK-certified (Danish material and constructions certification) waterproofing membrane. For nonporous coatings, such as linoleum, vinyl, membranes and for jointfree coatings, it is important that Marlon Floor HG25 dry sufficiently before laying the non-porous coating. Typical time for the dryout, depends on the layer thickness, humidity and temperature (for wooden flooring, always follow the manufacturer's instructions).

Preparation

The surface must be well-suited, firm and free of any loose particles, dust or other impurities that could prevent sufficient adhesion to the surface, which should have a tensile strength of min. 1 MPa on the surface. The cleaned surface is primed 1-2 times with Marlon Primer FL, until the surface is saturated, before the work is started. Avoid the formation of primer puddles (see separate specification sheet for Marlon Primer FL).

Mixing

Manual mixing is done with a slow-rotating drill with a two-bladed propeller mixer attached. Marlon recommends first pouring $\frac{3}{4}$ of the water in a bucket/mixing tub. Next, add the dry powder mix and mix thoroughly while gradually adding the remaining water. Mix well until the mixture is free of lumps and very fluid. For large projects, it is a good idea to use a mortar pump.

Application

Marlon Floor HG25 is poured or pumped out through hoses on the floor surface. You start where the thickest layer is to be laid. The thickness is typically between 10 and 80 mm, which can be applied in a single work process. A plunger stick, spiked roller, spacer knife or other material/tools can be used where suitable. In normal conditions at approx. +20°C Marlon Floor HG25 can be walked on after about 1-2 hours setting and tolerates heavier traffic after about 1-3 days. The opening time is approx. 15-20 min.

Aftercare

Newly laid Marlon Floor HG25 must be protected from rapid drying from draughts, high room temperatures, sun rays and the like.

Limitations

Not for use outdoors. Does not tolerate frost during pouring, hardening and setting. Building site conditions such as cooled surroundings in the construction and/or cooled products will diminish the liquidity and the product's curing and drying properties. Likewise, high temperatures can also affect the product's properties by shortening the working time and by speeding up drying.

Cleaning

Clean equipment, machinery and tools with water immediately after use.

Inspection

Marlon Floor HG25 is subject to internal inspection according to Marlon's quality assurance system. Subsequent measuring and mixing at the site of application is not included in quality control.



Product information

Manufacturer

Marlon Tørmørtel A/S
Virkelyst 20
DK-8740 Brædstrup

Material type

Fast-setting cement-based high-build liquid flooring screed intended for indoor use.

Filler material

Sorted and oven-dried silica sand (D_{max}) 2 mm.

Additives

Portland and aluminous cement, polymer and mineral additives.

Environment

Ammonia and formaldehyde-free

Added water

16% of the dry powder weight (3,8 l per 25 kg).

Pouring temperature

Between +5°C and +25°C.

Time open

15-20 minutes, depending on the temperature.

Layer thickness

Approx. 10 to 80 mm.

Consumption

Approx. 1.7 kg dry powder product per m^2/mm layer thickness.

Curing time

1-3 hours for foot traffic.
24 hours for light traffic.
1 week for heavy traffic.

Storage time

Min. 9 mos. in unopened original packaging.

Packaging

25 kg plastic sacks, big bags and loose

Technical data	Values	Method
Compressive strength, 28 days	> 25 MPa	DS/EN 13892-2
Bending tensile strength, 28 days	5 MPa	DS/EN 13892-2
Viscosity	140-150 mm (Ring 50 x 22 mm)	SS 923519
Contraction, 28 days	0.25 ‰	DS/EN 13872
Chromate content	< 2 mg/kg cement	
Chloride content	0.002 weight %	
pH value	Approx. 11.5	
Water damage stability	Swelling under water < free contraction	

Information

Item no.	10480
Pr no.	2179690
DB no.	5212788
Version	06.14 replaces 04.13



Marlon Tørmørtel A/S
Virkelyst 20
8740 Brædstrup
Year 10
DoP 1000480

DS/EN 13813
CT-C25-F6
Cement-based levelling material
for use indoors in buildings.

Reaction to fire	A_{1fl}
Release of corrosive substances	CT
Water permeability	NPD
Water vapour permeability	NDP
Compressive strength	C25
Bending strength	F5
Surface hardness	NPD
Resistance to wear	NPD
Soundproofing	NPD
Sound absorption	NPD
Thermal resistance	NPD
Chemical resistance	NPD