MARLON Tørmørtel A/S

Product Information



Floor H25

Self levelling, fast floor screed for indoor use

Applications:
Marlon Floor H25 (Danish name: Marlon Flydespartel H25) 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 applicated in thicknesses up to 30 mm**
- **Pumpable and self-levelling flooring**
- **Volume-stable, laying of large, jointfree areas**
- **Fast drying**
- **Just add water**

Applications:
Marlon Floor H25 is a universal self-levelling liquid floor screed that is typically used as underlayment for carpets, clinkers, woodfloors, linoleum, vinyl and tiles. Marlon Floor H25 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 joint-free coatings, it is important that Marlon Floor H25 dry sufficiently before laying the non-porous coating. Typical time for the dry-out, 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, cement slurry, 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 ¾ 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 H25 is poured or pumped out though hoses on the floor surface. You start where the thickest layer is to be laid. The thickness is typically between 2 and 30 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 H25 can be walked on after about 1-2 hours setting and tolerates heavier traffic after about 1-3 days. The opening time is approx. 10-15 min.

Aftercare:
Newly laid Marlon Floor H25 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 H25 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.

Technical data	Value	Method
Bending tensile strength	Approx. 8 MPa after 28 days	DS/EN 13892 -2
Compressive strength	Approx. 25 MPa after 28 days	DS/EN 13892 -2
Density (wet)	1.6 g/mm^3	
Viscosity	150 – 155 mm (Ring 50 x 22 mm)	SS 923519
Contraction	0.85 ‰ after 28 days	
Chromate content	< 2 mg/kg cement	
Chloride content	0.002 weight %.	
pH value	Approx. 11.5	
Water damage stability	Swelling under water < free contraction	

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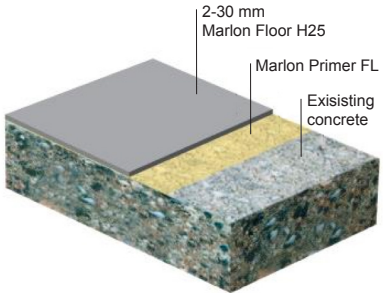
Marlon Tørmørtel A/S
Virkelyst 20
DK-8740 Brædstrup

Year 10

DS/EN 13813
CT-C30-F6-SH100. Cement-based levelling material for use indoors in buildings

Reaction to fire	A1fl
Release of corrosive substances	CT
Water permeability	NPD
Water vapour permeability	NDP
Compressive strength	C25
Bending strength	F6
Surface hardness	SH100
Resistance to wear	NPD
Soundproofing	NPD
Sound absorption	NPD
Thermal resistance	NPD
Chemical resistance	NPD

Marlon Floor H25
Underlayment for carpets, linoleum, vinyl, wood flooring etc.



Product data

Manufacturer:
Marlon Tørmørtel A/S
Virkelyst 20, DK-8740 Brædstrup

Material type:
Fast-setting cement-based liquid flooring screed intended for indoor use.

Filler material:
Sorted and oven-dried silica sand, max. 1 mm.

Additives:
Portland and aluminous cement, polymer and mineral additives.

Environment:
Ammonia and formaldehyde-free

Added water:
20% of the dry powder weight, corresponding to about 5,2 l per 25 kg.

Pouring temperature:
Between +5°C and +25°C.

Time open:
10-15 minutes, depending on the temperature.

Layer thickness:
Approx. 2 to 30 mm.

Consumption:
Approx. 1.6 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. 6 mos. in unopened original packaging.

Packaging:
25 kg plastic sacks, big bags and loose.

References:
Applicable safety data sheets can be downloaded from marlon.dk



Floor H25
(Danish name: Flydespartel H25)

Information
Item no. 10475
Pr. no. 2179690
DB no. 5916481
Version: 6.14 replaces 11.12

MARLON Tørmørtel A/S
Marlon Tørmørtel A/S · Virkelyst 20 · 8740 Brædstrup
Tel. +45 7575 4300 · Fax +45 7575 4243
marlon@marlon.dk · marlon.dk