

Self-leveling, polymer-modified cementitious screed

Description

FLOWCRET 1-10 is a self-leveling, polymer-modified, cement-based mortar, used for flooring applications. It forms a smooth and durable surface. Suitable for layers 1-10 mm thick.

It is classified as CT-C30-F10-AR1 according to EN 13813.

Fields of application

- To prepare smooth and even concrete, mortar or mosaic floors, before laying finishing materials like ceramic tiles, carpets, parquet, vinyl tiles etc.
- As a final floor overlay in basements, attics, warehouses etc.

Technical data

Form:	cementitious powder
Color:	grey
Water demand:	5,5–6,0 l /25 kg bag
Bulk density of dry mortar:	1,40 ± 0,10 kg/l
Bulk density of fresh mortar:	2,10 ± 0,20 kg/l
Compressive strength: (EN 13892-2):	>30,00 N/mm ²
Flexural strength: (EN 13892-2)	>10,00 N/mm ²
Adhesive strength: (EN 13892-8)	>2,0 N/mm ²
Wear resistance: (EN 13892-4 (BCA))	AR1
Setting shrinkage: (EN 13872)	0,29 ± 0,10 mm/m
Reaction to fire: (EN 13501-1)	Euroclass A1 _{fl}
Pot life:	45-60 min at +20°C

Directions for use

1. Substrate

The substrate must be dry, statically sufficient and also free of dust, grease, loose particles etc. Primarily, the surface is primed with the acrylic primer UNI-PRIMER.

Product application follows once the primer has completely dried out (approx. after 2 hours).

Primer consumption: 200-300 g/m².

2. Application

FLOWCRET 1-10 is gradually added into 5,5-6,0 l of water under continuous stirring, until a homogeneous, lump free, fluid mass is formed. The mixture is left about 3 minutes to settle and is then stirred again. A low speed electric mixer (approx. 300 rpm) is recommended for mixing. The mortar is poured onto the primed substrate in one layer and is spread to desired thickness with a large metal notched trowel, squeegee etc. As soon as the product has self levelled it must be rolled immediately with a suitable spiked roller to release all the air retained within its mass. For greater layer thickness up to 30mm, it is recommended the use of FLOWCRET 3-30 EXPRESS.

Consumption

Approx. 1,65 kg /m² /mm of layer thickness.

Packaging

FLOWCRET 1-10 is supplied in 25 kg paper bags.

FLOWCRET 1-10



Shelf-life - Storage

12 months from production date if stored in original, unopened packaging, in places protected from moisture and frost.

Remarks

- During application and initial setting/hardening of FLOWCRET 1-10 the surface must be protected from quick water loss due to the high temperature, U.V. radiation or wind.
- Do not add cement, gypsum, lime or other binders to the FLOWCRET 1-10 mix.
- Before the installation of parquet or vinyl tiles is necessary to measure the moisture content with a moisture meter.
- Temperature during application should be at least +5°C.
- Mixture that has started to harden should not be used.
- FLOWCRET 1-10 contains cement and reacts as alkaline with water, so it is classified as irritant.
- Consult the usage risks and safety advice written on the bag.



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EN 13813 CT-C30-F10-AR1

DoP No.: FLOWCRET 1-10/1637-01

Cementitious screed material for use internally in buildings

Reaction to fire: A1_{fl}

Release of corrosive substances: CT

Water permeability: NPD

Water vapour permeability: NPD

Compressive strength: C30

Flexural strength: F10

Wear resistance: AR1

Sound insulation: NPD

Sound absorption: NPD

Thermal resistance: NPD

Chemical resistance: NPD

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BUILDING CHEMICALS AND MORTARS

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