Product Datasheet

Deep Fill

UZIN Deep Fill

Economical deep fill for thicknesses between 5 and 50 mm

MAIN APPLICATION FIELD:

- cost effective deep fill for subsequent installation of UZIN smoothing compounds

SUITABLE ON / FOR:

- calcium sulphate or cementitious screeds, concrete
- precast screeds, screed boards
- magnesia and xylolite screeds
- existing and new IC 10 and IC 15 mastic asphalt screeds
- existing ceramic and natural stone coverings, terrazzo or similar
- existing and new P4 - P7 or OSB 2 - OSB 4 boards, screwed
- warm water underfloor heating systems
- exposure to castor wheels in accordance with DIN EN 12 529
- suitable for residential and commercial areas

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EN 13 813:2002
Cementitious screed for substrates in interior locations
EN 13 813: CT-C30-F5

Fire resistance	**A1fl**
Release of corrosive substances	**CT**
Compressive strength	**C 30**
Flexural strength	**F 5**

PRODUCT BENEFITS/FEATURES:

UZIN Deep Fill is cement based containing coarse aggregate, ideal for economical substrate preparation prior to the application of UZIN smoothing compounds. It is low-stress, even when applied at high thicknesses. Pumpable, for interior use.

- good flow
- low stress
- good absorbency

TECHNICAL DATA:

Packaging	paper bag
Pack Size	20 kg
Shelf Life	min. 6 months
Water quantity	3.3 - 3.8 litres per 20 kg bag
Colour	grey
Consumption	approx. 1.7 kg/m² per mm thickness
Working Time	20 - 40 minutes*
Ready for foot traffic	after approx. 4 hours*
Ready for Covering	after approx. 48 - 72 hours at 15 mm
Minimum Application Temperature	15 °C at ground level
Fire reaction	$A1_{fl}$

*At 20 °C and 65% relative humidity.

GEV-EMICODE EC 1 PLUS very low emission

LEED® CONTRIBUTING PRODUCT

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UZIN Deep Fill

SUBSTRATE PREPARATION:

The substrate must be sound, load-bearing, dry, free from cracks and free from materials (dirt, oil, grease) that would impair adhesion. Cement and calcium sulphate screeds must be abraded and vacuumed. Test the substrate in accordance with applicable standard or notices and report any deficiencies.

Any adhesion-reducing or unstable layers, e.g. release agents, loose adhesives, compounds, covering or paint residues, etc. must be removed, e.g. by brushing, abrading, grinding or shot-blasting. Thoroughly vacuum loose material and dust. Use a suitable primer from the UZIN Product Guide according to the type and condition of the substrate. Allow any primer that is applied to dry completely.

The datasheets for other used products have to be observed.

APPLICATION:

1. Put 3.3 - 3.8 litres of cold, clear water into a clean container. Sprinkle in the contents of the bag (20 kg) while mixing vigorously until a smooth and lump-free compound is obtained. Use a mixing device fitted with a UZIN Mixing Paddle.
2. Pour the compound onto the substrate and spread evenly with a smoothing trowel or a screed rake. The flow and surface can be improved by removing air using a spike roller. If possible, apply to the desired thickness in one coat, at least 5 mm.

CONSUMPTION INFORMATION:

Layer Thickness	Approx. Consumption	Size / Coverage
5 mm	8.3 kg/m²	20 kg / 2.4 m²
10 mm	16.7 kg/m²	20 kg / 1.2 m²

IMPORTANT NOTES:

- A shelf life of 6 months when stored in dry conditions, in the original packaging. The setting and drying times may become longer if the storage time is prolonged. The properties of the cured material are not affected. Carefully and tightly reseal opened packaging and use the contents as quickly as possible.
- Best applied between 15 - 25 °C and relative humidity below 65%. Low temperatures, high humidity, little air circulation, dense substrates and large thickness will delay the setting and drying time. Whilst high temperatures and low humidity, strong air circulation and absorbent substrates will accelerate setting, drying and readiness for covering. In summer, store in cool conditions and use cold water.
- Expansion, movement and perimeter joints in the substrate must be reflected through to the surface. Fit UZIN Foam Expansion Strips to any adjacent, vertical structures to prevent the ingress of the compound into the joints.
- For thicknesses over 5 mm foam expansion strips are necessary in general. On wooden substrates the foam expansion strip must be removed completely after installation.
- Can be pumped with continuous, forced-action mixer-pumps, e.g. from manufacturers such as m-tec, P.F.T. and others.
- The substructure of wooden floors must be dry to prevent damage due to damp through rotting or mould formation. Adequate ventilation or rear-ventilation must be provided especially when installing impermeable flooring, e.g. by removing the existing expansion strip or by installing special skirting with vent openings.
- When applying in several coats, allow the compound to dry completely. Then apply UZIN PE 360 PLUS as a intermediate primer and leave to dry, before applying subsequent coats. The second coat must not exceed the thickness of the first one.
- Do not use in exterior or wet areas.
- Compounds must not enter between insulation and heating pipes because of the risk of corrosion. This applies in particular for heating pipes made from galvanized steel. Insulation may only be cut off after smoothing.
- Follow the generally acknowledged rules of the trade and technology for the installation of wood flooring and floor covering in respective of the applicable national standards (e.g. EN, DIN, OE, SIA, etc.)

SEALS OF QUALITY & ECOLABELS:

- Low chromate content acc. Regulation (EC) No. 1907/2006 (REACH)
- EMICODE EC 1 PLUS / Very low-emission

COMPOSITION:

Special cements, mineral aggregates, redispersible polymers and additives.

PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT:

Contains cement low in chromate acc. Regulation (EC) No. 1907/ 2006 (REACH). Cement produces strong alkaline on reaction with water. Avoid contact with skin and eyes. In the event of contact, rinse immediately with water. In the event of skin or eye irritation, seek medical advice. Use protective gloves. When mixing wear a protective dust-mask. Presents no physiological or ecological risk when fully cured. Basic prerequisites for best possible indoor air quality following floor covering work are conformity to standards of the working conditions, as well as thoroughly dry substrate, primer and smoothing compound.

DISPOSAL:

Where possible, collect product residues and re-use. Do not allow to get into drains, sewers or ground. Empty paper

packaging is recyclable. Collect waste product, mix with water, allow to harden, then dispose as Construction Waste.