PRODUCT DATA SHEET

Rapid Smoothing Compound

UZIN NC 152

Rapid drying, cement smoothing compound for thickness up to 10 mm

Description:

Rapid drying, cement smoothing compound for all smoothing, levelling and repair work on substrate surfaces prior to installation of floor coverings – for interior use.

Suitable for/on:

- producing very fast drying, level, high-strength, prepared surfaces with good absorbency for the installation of all types of textile and resilient floor coverings
- new substrates, e.g. cement screeds, calcium sulphate screeds or concrete
- PE 520 has been removed from the UK range
- existing substrates, e.g. on dense, well-bonded, waterproof layers of adhesive, existing ceramics and natural stone, artificial stone, terrazzo, etc.
- magnesia- and stone-wood-screeds, dry screed materials, etc.
- heavy-duty use in domestic, commercial and industrial locations
- warm water underfloor heating systems
- exposure to castor wheels in accordance with DIN EN 12 529 from 1 mm thickness

CE
0761
UZIN France 4 rue du Président Coty 02880 CROUY
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01/02/0014.01
EN 13 813 : 2002
Enduit de ragréage à base ciment pour les supports en locaux intérieurs
EN 13 813 : CT– C40 – F7
Réaction au feu **$A1_{fl}$**
Libération de sustances corrosives **CT**
Résistance à la compression **C 40**
Résistance à la flexion **F 7**

GEV-EMICODE EC 1 PLUS very low emission

Composition: Special cements, mineral aggregates, polyvinyl acetate copolymers, flow agents and additives.

- For thickness up to 10 mm
- Smooth finish
- Rapid setting
- High strength
- Low chromate content
- EMICODE EC 1 R PLUS/Very low-emission

Product Properties/Benefits:

Plasticised dry powder mortar-mix with rapid setting special cements, mineral aggregates, flow agents and additives. When mixed with water, produces a hydraulic setting, self-smoothing compound with good properties for all standard applications.

ballister

Technical Data:

Packaging:	paper sack
Pack size:	20 kg
Shelf life:	min. 6 months
Required water quantity:	approx. 4.8 litres per 20 kg sack
Colour:	grey
Coverage:	approx. 4.5 m² at 3 mm per bag
Working temperature:	min. 15 °C/59 °F at floor level
Working time:	approx. 15 – 20 minutes*
Set to foot traffic:	after approx. 1 – 2 hours*
Ready for covering:	after approx. 3 – 5 hours*

* At 20 °C/68 °F and 65 % relative humidity at a maximum thickness of 3 mm. See also "Application" Point 3.

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UZIN NC 152

Subfloor Preparation:

The subfloor must be sound, dry, free from cracks, clean and free from materials that would impair adhesion.

Cement- and calcium sulphate-screeds must be abraded and vacuumed as a chargeable service, either as a finishing treatment by the screed installer, or as a special project by the installer of the floor covering.

Test the subfloor in accordance with applicable standards and notices and report any deficiencies. Brush, abrade, grind or shot-blast any soft or weak surface sections. Thoroughly vacuum to remove loose material and dust. According to type and condition of the subfloor, select a suitable primer from the UZIN Product Guide. Allow primers to dry thoroughly. Always grit-blind reaction resin primers, such as 2-Component Epoxy Primer-Sealer UZIN PE 460.

Refer to the Product Data Sheets for other products used.

Application:

1. Put 4.8 litres of clean, cold water into a clean container. Sprinkle in the sack contents (20 kg) whilst stirring vigorously and mix to a lump-free consistency. Use a drill fitted with the UZIN Mixing Paddle for smoothing compounds. Do not mix too thin.
2. Pour the compound onto the primed substrate and distribute evenly using a smoothing trowel or the UZIN Screed Rake. Where possible, apply to the desired thickness in one coat.
3. Readiness for installation of the covering is after approx. 3 – 5 hours* per 3 mm of thickness. Sanding the surface using 36 – 60 grade grit-paper increases the surface finish quality and improves appearance and absorbency.

*At 20 °C / 68 °F and 65 % relative humidity.

Coverage:

Thickness	Approx. coverage per 20 kg sack
1 mm	13 m²
3 mm	4.5 m²
5 mm	2.7 m²

Important Notes:

- Shelf life minimum 6 months in original packaging when stored in dry conditions. Tightly seal opened packaging and use the contents as quickly as possible.
- Optimum conditions are 15 – 25 °C / 59 – 77 °F and relative humidity below 75 %. Low temperatures, high humidity and greater thickness will retard, whilst high temperature and low humidity will accelerate the setting, drying and readiness for covering. In summer, store in cool conditions and use the coldest possible water.
- Expansion-, movement- and wall-connection-joints must be reflected through from the substrate to the surface. As required, fit UZIN Foam Expansion Strips against any structures to prevent ingress of the wet compound into the connection joint. Generally, expansion strips should be fitted where thickness is above 5 mm.
- Pumpable with continuous, forced-action mixer-pumps, e.g. m-tec duo mix, P.F.T.-Monojet, etc.
- Minimum 1 mm thickness for castor wheel resistance. On non-absorbent surfaces, e.g. new mastic asphalt, apply a thickness of 2 – 3 mm.
- When applying more than one coat, allow to dry completely, prime with Universal Primer UZIN PE 360 and allow primer to dry (approx. one hour*) before applying the next coat.
- On new mastic asphalt laid to regulation standards, a thickness up to max. 5 mm is permissible.
- Do not use in exterior or wet locations.
- Protect freshly installed surfaces from draughts, direct sunlight and sources of heat.
- On soft or tacky surfaces, cement smoothing compounds have a tendency to crack. Therefore, old adhesive residues or tacky coatings must be removed as far as is possible before applying primer and smoothing compound. Also, leaving such smoothing coats uncovered for too long will promote crack formation and must be avoided.
- Do not use as a screed cement or as a wearing surface – a surface covering or coating must always be applied.
- The following standards, regulations and notices are applicable and especially recommended:
  – DIN 18 365 "Working with floor coverings"
  – TKB publication "Assessment and preparation of substrates for floor covering and wood flooring installation"
  – BEB publication "Assessment and preparation of surfaces".

Protection of the Workplace and the Environment:

Contains cement, low chromate content 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. When mixing wear a protective dust-mask. Use protective gloves. Presents no physiological or ecological risk when fully cured.

EMICODE EC 1 R PLUS – very low emission. Within the scope of current knowledge, gives off no emissions of formaldehyde, hazardous materials or volatile organic compounds (VOC).

Disposal:

Do not dispose of into the sewer system, open water or the soil. Paper sacks can be recycled when emptied and free from any residues. Collect product residues, mix with water, allow to harden and dispose of as construction waste.