Product Datasheet

Smoothing Mortar

CODEX NC 366 MAXX

Low slump smoothing mortar with lightweight fillers for thicknesses from 3 – 50 mm

APPLICATIONS

Low slump, hydraulic rapid setting special cement mortar for thicknesses from 3 – 50 mm in tiling work. Suitable for smoothing and filling uneven surfaces, damaged areas and hollows on absorbent, mineral surfaces as well as for smoothing work to falls in areas with drains and gullies – also as a fixing mortar for tiling boards (coated hard foam board). For floor, walls and ceilings in interior and exterior locations.

LEED: Meets the LEED requirements in IEQ Credit (4.1) Low Emitting Materials (LEED v4)

SUITABLE FOR

- Damp, wet and underwater areas
- Balconies and terraces
- Wall and floor surfaces
- Residential, commercial and industrial areas

SUITABLE ON

- Cement- and lime-cement- renders
- Masonry of brick, concrete-blocks, blown-concrete, lime stone, gas concrete
- In-situ concrete (min. 6 months old) and pre-cast concrete (min. 3 months old)
- Cement screeds
- Adequately gritted mastic asphalt
- Warm water underfloor heating systems



PRODUCT BENEFITS/FEATURES

- Rapid drying
- Good low slump consistency
- Rapid setting
- Low stress
- Low consumption
- Smooth and easy to apply
- Waterproof and frost resistant

TECHNICAL SPECIFICATIONS

Pack type	paper bag
Pack size	25 kg
Shelf life	12 months
Color	grey
Minimum working temperature	+5 up to +25 °C
Ideal working temperatures	+10 up to +25 °C
Water quantity required	0.17 litre/ kg 4.25 litre/ 25 kg
Working Time/ Pot Life	approx. 40 minutes*
Set to foot traffic	after approx. 1,5 hours*
Ready for covering	after approx. 1.5 hours*
Consumption	approx. 1.3 kg/m²/mm layer thickness

*At 23 °C and 50% rel. humidity.

GEV-EMICODE EC 1 PLUS very low emission

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CODEX NC 366 MAXX

SUBSTRATE PREPARATION

The substrate must be sound, dry, free from cracks, load bearing and free from materials that would impair adhesion.

Test the substrate in accordance with applicable standards and notices and report any deficiencies. Mechanically prepare as necessary any smooth concrete surfaces or soft and weakly bonded areas, e.g. by abrading, brushing, grin ding or sand / shot blasting – clean until dust free. According to type and condition, prepare the substrate with suitable primers from the codex product range. Lightly dampen absorbent cement-based surfaces (e.g. holes and cuttings for pipe-work); primer is not absolutely necessary but is recommended.

Always allow primers to dry thoroughly.

Refer to the Product Data Sheets for other products used.

APPLICATION

1. Pour cold, clean water into a clean container. Sprinkle in the sack contents (25 kg) whilst stirring vigorously and mix to a lump-free mortar with good plasticity. For small quantities, use 170 ml of water per 1 kg of powder. Leave to stand for approx. 3 minutes, then mix thoroughly once again. Only mix as much mortar as can be used within approx. 40 minutes.
2. Using a smoothing trowel, scratch-apply the mortar onto the surface. Onto this fresh contact-coat, apply the mortar to the required thickness. codex NC 366 Maxx can be thrown or trowel-applied and then drawn off with a plasterer's level. Smoothing work with codex NC 366 Maxx should be in one coat.
3. After 30 – 60 minutes, the render is sufficiently set so that finishing work by scratching, scraping down and smoothing is then possible.
4. Clean tools with water whilst the mortar is still fresh.
5. After approx. 90 minutes, the smoothing coat can be tiled. Natural stone tiling must be left at least 24 hours (until fully dry).

READY FOR COVERING

Layer thickness	Ready for Covering
up to 50 mm	with tiles, after approx. 90 minutes*
up to 50 mm	with natural stone, after completely drying

IMPORTANT NOTES

- Store in a cool and dry place. Tightly reseal opened packaging and use the contents as quickly as possible.
- Optimum conditions are + 10 to + 25 °C. Low temperatures lengthen, whilst high temperatures shorten the drying time and readiness for covering.
- When installing natural stone that is sensitive to damp and staining, wait until the smoothing coat is completely dry.
- Do not dilute thickened mortar with water or mix with dry powder.
- Protect freshly smoothed surfaces from draughts, direct sunlight, sources of heat and rain.
- If the mortar is to be applied in several coats, intermediate priming is necessary. Each coat must be thinner than the preceding coat. Do not exceed a total thickness of 50 mm.
- In areas exposed to moisture, e.g. public showers, swimmingpools, etc., a moisture barrier should be applied over the codex NC 366 Maxx in accordance with applicable regulations and notices.
- In addition to all applicable standards, regulations and publications, reference to the following is especially recommended:
  - DIN 18 352 "Working with large and small format tiling"
  - DIN 18 157 "Ceramic tiling installation using the thin-bedmethod"
  - DIN 18 195 "Construction damp-proofing"
  - ZDB publications:
    - "Large and small format ceramic tiling, natural stone and concrete-block on heated floor constructions"
    - "Large and small format tiling outside of buildings"
    - "Movement joints in large and small format tile cladding and coverings"
    - "Large and small format tile flooring exposed to heavy mechanical loading"
    - "Notes for the installation of bonded damp-proofing in conjunction with large and small format tile cladding and coverings in interior and exterior locations"
  - BEB publication:
    - "Assessment and preparation of substrates"

SEALS OF QUALITY & ECOLABELS

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

CONSTITUENTS

Special cements, mineral aggregates, redispersible polymers and additives.

PROTECTION OF THE WORKPLACE AND 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.

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.

The above information is based on our experience and careful investigations. The variety of associated materials and different construction and working conditions cannot be individually checked or influenced by us. The quality of your work depends, therefore, on your own professional judgement and product usage. If in doubt, conduct a small test or obtain technical advice. Observe the installation recommendations of the covering manufacturer. The publication of this datasheet invalidates all previous Information. The respective updated version of this datasheet can be found on our website: www.codex-x.com | 01/2022