

Armoured fabric

CODEX UX 410

Alkaline-resistant fibreglass fabric to reinforce levelling compounds and thin-bed mortars

APPLICATIONS

codex UX 410 is a high-strength, alkaline-resistant fibreglass mesh with ultimate tensile strength. For reinforcement and stabilisation of codex adhesives and codex smoothing compounds which compensates for tension and movement in the substrate. Can also be used as a crack bridge for joints and to prevent crack formation on critical substrates. Suitable for renovation, restoration and new buildings. Also suitable for walls and floors within, for interior and exterior areas.

SUITABLE ON

- ▶ Old tiles and natural stone floor coverings
- ▶ Plasters and masonry
- ▶ Old screeds
- ▶ Patches of mixed substrates
- ▶ Floorboards
- ▶ Chipboards (P4 – P7)
- ▶ OSB panels (OSB 2 – OSB 4)
- ▶ Tile support elements
- ▶ Cement and calcium sulphate screeds
- ▶ Concrete (min. 3 months old)
- ▶ Mastic asphalt screeds
- ▶ Heated structures



PRODUCT BENEFITS/FEATURES

- ▶ Alkaline-resistant
- ▶ Stress-relieving
- ▶ High tensile strength
- ▶ Shifting fixed
- ▶ Free from plasticisers
- ▶ High-temperature resistant

TECHNICAL SPECIFICATIONS

Pack type	Roll
Pack size	25 m ²
Color	green
Length	25 m
Width	1 m
Roll weight	approx. 13.6 kg
Burning behaviour	B2 according to DIN 4102
Area weight	approx. 530 g/m ²
Mesh size	7 x 6 mm

SUBSTRATE PREPARATION

The substrate must be firm, dry, flat, free of cracks, clean, load-bearing and free of materials that could affect adhesive strength.

Test the substrate in accordance with applicable standards or data sheets and report any deficiencies. If necessary, grind smooth concrete surfaces, adhesion-reducing or weak layers and clean until dust-free. Floorboards must be screwed, load-bearing, free from sagging and permanently dry on the beam supports and secured against vertical offset. Reattach loose floorboards, if necessary. Adequate rear ventilation must be ensured through suitable measures, e.g. edges and/or spacing to other components.

Old flooring must be firmly in place and load-bearing, cleaned, sanded and vacuumed.

Prepare substrate according to type and condition with suitable primers from the codex range of products.

Refer to the product data sheets for other codex products used.

APPLICATION

Spread out the reinforcement fabric and cut exactly to size with blade or scissors. Overlap joint by 5 cm.

Bonding with codex adhesives

1. Apply the adhesive with a 8 mm notch size onto the substrate. Place codex UX 410 into the fresh adhesive bed without bubbles or folding and ensure its covers the entire surface. Adhesives intended for subsequent flooring installation is normally used for levelling.

Installation with codex smoothing compound

1. An expansion strip needs to be attached on all vertical elements before embedding.
2. Spread codex UX 410 on the wooden substrate and firmly staple it down to prevent the mesh from floating. A distance of approx. 3 cm needs to be observed on all vertical structural components.
3. Floating chipboard panels or OSB panels installed as precast concrete cannot be smoothed over.
4. Observe the installation directions of the respective smoothing compound.

The mesh must be handled carefully to prevent damage during installation.

IMPORTANT NOTES

- ▶ Store cool, dry, protected against light and placed upright in original packaging.
- ▶ Depending on the installation situation, suitable measures, such as expansion strips, sufficient wall spacing, or similar against sound bridges and securing the floor covering need to be taken into account.
- ▶ Drying and strength development depend on the climate conditions and smoothing compound or adhesive used.

- ▶ Climate conditions may effect the setting and drying of the smoothing compound or adhesive, so must be taken into account with exterior use; appropriate protective measures must otherwise be taken.
- ▶ Proper codex composite seals must principally be provided for exterior installation. The composite seal must be applied to the mesh.
- ▶ The following apply as well, amongst others, or are recommended for special consideration:
 - DIN 18 352 "Tile and slab work"
 - DIN 18 157 "Ceramic work in thin bed processes"
 - ZDB bulletins:
 - "Composite seals"
 - "Coverings on cementitious screed – heated"
 - "Coverings on cementitious screed – unheated"
 - "Coverings on calcium sulphate screed"
 - "Exterior floor coverings"
 - "Interface coordination"
 - BEB bulletin:
 - "Assessment and preparation of substrates"

CONSTITUENTS

Product from filament glass yarn.

PROTECTION OF THE WORKPLACE AND ENVIRONMENT

The product itself does not require any special labour protection measures. Refer to the notes on protection of the workplace and the environment in the Product Information Sheets for the other installation materials used.

DISPOSAL

All product residues are treated as normal construction waste.