Product Datasheet

Crack Bridge

UZIN RR 203

Fibreglass crack reinforcement fleece for repairing cracks, day joints and slight movement on different substrates

MAIN APPLICATION FIELD:

- crack and joint reinforcement for slight vibrations up to a width of 5 mm
- reinforcement and bridging of day joints and transitions
- reinforcement and bridging of changing substrates

SUITABLE ON / FOR:

- all types of screeds, concrete
- existing substrates with well-bonded residues of adhesives or compounds
- P4 - P7 chipboard and OSB 2 - OSB 4 boards
- precast screeds, screed boards or raised-access floors
- UZIN footstep sound insulation or decoupling underlays
- changing substrates and transitions from breaks or screed supplements
- warm water underfloor heating systems
- suitable for residential, commercial and industrial areas
- system component in the composite system with UZIN RR 201

PRODUCT BENEFITS/FEATURES:

UZIN RR 203 bridges and reinforces cracks, joints and slight movement through the enormous tensile strength of the alkaline-resistant fibreglass strands. This crack reinforcement compensates slight vibrations and movements from the substrate thus avoiding more elaborate remedial work. A crack-free, load-bearing substrate is created in the UZIN RR 203, UZIN RR 201 composite system and UZIN levelling compounds. For interior use.

- extremely high tensile strength
- bridges and reinforces cracks, day joints and transitions
- easy to apply
- avoids the use of repair resins
- very high strength

TECHNICAL DATA:

Packaging	rolls, boards
Sizes	0.8 m x 30 m per carton 24 m² = 1 roll 0.8 m x 0.6 m per carton 24 m² = 50 boards
Shelf life	min. 24 months
Color	white
Area weight	approx. 108 g/m²
Minimum application temperature	15 °C at ground level
Tensile strength on filament	3.500 N/mm²
Elongation at break	2.0%
Young modulus	72.000 N/mm²

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UZIN RR 203

EXTENDED APPLICATIONS:

- closing of expansion joints with underfloor heating systems (obtain technical advice)
- creation of a crack-free and load bearing substrate in the composite system with UZIN RR 201 and UZIN levelling compounds

SUBSTRATE PREPARATION:

The substrate must be dry and free from materials (dirt, oil, grease) that would impair adhesion. 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. In addition, thoroughly vacuum cracks and prime with a suitable primer. Prime very porous or unstable substrates with 2-component epoxy resin primers (e.g. UZIN PE 460), apply 0.3 – 0.8 grain quartz sand and vacuum thoroughly after curing. UZIN RR 203 can be used for cracks and crack areas with slight vibrations or minor movement as described below.

The datasheets for other used products have to be observed.

APPLICATION:

Use with low-slump levelling compound:

1. Cut UZIN crack bridge with scissors into lengths of approx. 60 cm (unless the panels are being used).
2. Prepare the crack area by applying a thin and even coat of low-slump smoothing compound, at least 30 cm both sides of the crack.
3. Ensure the fibre strands are run across the line of the crack and the fleece side faces up. Press into the fresh smoothing compound (without overlapping). Apply pressure over the whole length followed by smoothing.
4. Clean tools with water after use.

Use with UZIN MK 92 S:

1. Perform steps 2 - 3 as described above with UZIN MK 92 S (observing the associated product data sheet).
2. Before a smoothing compound is installed, apply quartz sand (0.3 – 0.8 grains) over the fresh adhesive, and vacuum thoroughly after curing.
3. Clean tools with wipes of UZIN Clean Box immediately. Dry material can only be removed mechanically.

Composite system:

1. Perform steps as described above.
2. Apply a coat of primer onto the surfaces after the smoothing compound has set.
3. After this, the total area is loosely laid with the UZIN RR 201 renovation fleece and fully covered with smoothing compound (at least 5 mm thick).
4. Thoroughly aerate the levelling compound once applied using a suitable UZIN spike roller with crosswise movements.

APPLICATION EXAMPLES:

Bridging and reinforcement of cracks, joints and movement is even faster and easier with UZIN RR 203.

Depending on the requirement, UZIN RR 203 can be used with UZIN NC 182 or UZIN MK 92 S.

Apply 0.8 mm UZIN Fine Sand over UZIN MK 92 S before subsequent levelling work.

IMPORTANT NOTES:

- Shelf life minimum 24 months when stored in relatively cool conditions. Store rolls standing so as to avoid pressure marks. Frost-resistant up to - 25 °C.
- Best applied between 18 - 25 °C, substrate temperature above 15 °C and relative humidity below 65%.

- The assessment and renovation of existing substrates requires experience and solid technical knowledge. Obtain application advice if in doubt.
- 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.
- For closing of expansion joints for underfloor heating systems, obtain technical advice.
- 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.
- Mastic asphalt screeds must be well sanded and exhibit a continuous and sufficiently wide perimeter joint. Obtain technical advice with old mastic asphalt screeds.
- It is especially important for the primer and the compound to dry completely.
- UZIN RR 203 is also suitable for exterior areas when used with codex primers and levelling compounds that are also recommended for exterior application.
- Follow the generally acknowledged rules of the trade and technology for the installation of floor covering in respective of the applicable national standards (e.g. END, DIN, OE, SIA, etc.)

COMPOSITION:

Alkaline-resistant fibreglass, with parallel fibre strands, bonding fibre grids and glass fibre felt.

PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT:

The product itself does not require any special labour protection measures. To protect against glass fibres contained in the product, it is recommended to wear protective clothing, suitable protective cream or protective gloves and to wash face and hands after work. 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.