

Crack Bridge

UZIN RR 203

Fibreglass crack reinforcement system for repairing cracks, area separation joints and 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 movement through the enormous tensile strength of the alkaline-resistant fibreglass strands. This crack reinforcement compensates for slight vibration and movements from the substrate thus avoiding more elaborate substrate work.

- Extremely high tensile strength and tear-resistant
- Bridges and reinforces cracks, joints and transitions
- Extremely easy to install
- Panel product saves time
- Very high composite strength



TECHNICAL DATA:

Packaging	rolls, panels
Sizes	0.8 m x 30 m per carton 24 m ² = 1 roll 0.8 m x 0.6 m per carton 24 m ² = 50 panels
Shelf life	min. 24 months
Colour	white
Area weight	approx. 108 g/m ²
Minimum application temperature	15 °C at ground level
Filaments / Bundle of fibers	approx. 3200 pieces
Tensile strength on filament	3.500 N/mm ²
Elongation at break	2.0%
Young modulus	72.000 N/mm ²

EXTENDED APPLICATIONS:

- ▶ Creation of a crack-free and load-bearing substrate in the composite system with UZIN RR 201 and UZIN smoothing compounds
- ▶ Closing of expansion joints for underfloor heating systems (please consult UZIN Technical)
- ▶ On all types of screed or concrete
- ▶ On old substrates with strongly bonded compound and adhesive residues
- ▶ On firmly screw-fixed chipboard P4 – P7 or OSB 2 – OSB 4 panels
- ▶ On precast screed, gypsum board plates as well as hollow spaces/false floors
- ▶ On impact sound and stress relief boards
- ▶ On warm water underfloor heating systems
- ▶ The removal of old substrates can often be avoided when used 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 smoothing compound:

1. Cut UZIN crack bridge with scissors into lengths of approx. 60 cm (step 1 is obsolete when using panel products).
2. Prepare the crack zone by applying a thin and even layer of low-slump smoothing compound, at least 30 cm both sides of the crack.
3. Ensure the fibre strands are run across the crack line and the fleece side faces upward. Press into the fresh smoothing compound (without overlapping). Apply pressure over the whole length followed by smoothing.
4. Remove unwanted smoothing compound with water whilst fresh.

Use with Pallmann P9:

1. Perform steps 2 – 3 as described above with Pallmann P9 (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. Remove fresh adhesive residues with UZIN Clean-Box cloths. Once cured adhesive residues 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 UZIN renovation fleece and fully covered with smoothing compound (at least 5 mm thick).
4. Aerate the smoothing compound with a spike roller before allowing to dry.

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 Pallmann P9.



Apply 0.8 mm UZIN Fine Sand over Pallmann P9 before subsequent levelling work.

IMPORTANT NOTES:

- ▶ Shelf life of original pack at least 24 months when stored upright (rolls), or horizontally (panels) under moderately cool and dry conditions. Frost-resistant to – 25 °C.
- ▶ Optimum working conditions at 18 – 25 °C, floor temperature above 15 °C and relative humidity below 65 %.
- ▶ The assessment and restoration of worn substrates requires experience and solid technical knowledge. If in doubt, contact UZIN Technical.
- ▶ Expansion, movement and perimeter joints in the substrate must be adopted. Fit UZIN Foam Expansion Strips to any adjoining rising structures to prevent ingress of the compound into the connection joints. Expansion strips are generally necessary for thicknesses over 5 mm. On wooden substrates the expansion strip must be completely removed after levelling work.
- ▶ For closing of expansion joints for underfloor heating systems only upon consultation of consult UZIN Technical for subsequent recommendation.
- ▶ The substructure of wooden floors must be dry. Adequate ventilation or rear-ventilation must be provided, 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 application consulting for old mastic asphalt screeds.
- ▶ Ensure the companion products, such as primers, levelling compounds, etc. 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.
- ▶ Observe the generally acknowledged rules of the trade and technology for the installation of floor covering or wood flooring as well as the respective applicable national standards (e.g. EN, DIN, VOB, Austrian Ö-Norm, SIA, etc.). The following standards and bulletins, amongst others, represent supporting information and are recommended for special attention:
 - DIN 18 365 “Working with floor covering”, Ö-Norm B 2236

- DIN 18 356 “Working with wood flooring”, Ö-Norm B 2218
- DIN 18 352 “Tile and slab work”
- TKB publication “Assessment and preparation of substrates for floor covering and wood flooring installation”
- BEB publication “Assessment and preparation of substrates”
- TKB publication “Technical description and processing of cementitious floor levelling compounds”
- Technical bulletin of the Central Association of the German Building Construction Trade
- (ZDB) “Resilient and textile floor coverings and wood flooring on heated floor constructions”

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.