

## Technical Data Sheet

# Bona RenoForce

## Glass Fibre Weave

Bona RenoForce is a fibre glass weave to be used for the reinforcement of existing cracks and construction joints up to 5 mm in width, for screeds, concrete substrates, or between different type of subfloors. The installation of Bona RenoForce is easy and fast. It should be used in combination with either one of our Bona polyurethane adhesives such as Bona R777, Bona Titan or with the levelling compound Bona H610.

- Can be installed with either Bona silane or polyurethane adhesives
- Extremely high tensile strength and tear-resistant
- Reinforces construction joints and cracks
- Easy to use, localized repairs are possible
- Easy to cut
- The usage of liquid crack-repair resins is no longer necessary
- Alkaline resistant fibres

### Technical Data

Product type: Sodium-silicate glass fibres

Colour: White

Area density: 108 g/cm<sup>2</sup>

E-module: 72,000 N/mm<sup>2</sup>

Elongation at fracture: 2.0 %

Tensile strength on filament (fibre): 3,500 N/mm<sup>2</sup>

Filaments/Fibre stand: 3,200 pc

Fire resistance class: E

Dimension: 0.80 x 45 m (36 m<sup>2</sup>)

Storage / transport: The temperature must not fall below +5°C or exceed +25°C during storage and transport. Store in a dry, well ventilated place

Disposal: Wastes and emptied containers should be handled in accordance to local regulations.

Shelf life: min. 24 months

Pack Size: 36 m<sup>2</sup>/roll, 24 rolls on a pallet

### Subfloor Preparation

The substrate must be clean, dry, and free of any substances which may cause adhesion problems with the applied primer or adhesives. An investigation and evaluation of the floor's condition need to be carried out in advance. Prior to application the floors must always be sanded, any laitance on the surface of the floor must be removed. With concrete subfloors shot blasting may be necessary. Loose dust and dirt should be removed with a powerful vacuum unit. The area around existing cracks and joints which are to be repaired with Bona RenoForce must be stable and free from excessive movement. Really porous or weak surfaces must be prepared with Bona R590 or Bona R410. Please observe the respective technical instructions provided in the technical data sheet.

### Suitable Subfloors

- Cementitious screed (CT) according to EN 13813
- Calcium sulphate screed (CA) according to EN 13813
- Chipboard, OSB board or other dry and sound sub-floors
- Concrete
- Magnesia screeds
- Mastic asphalt screed (AS) according to EN 13813 (sufficiently sanded)
- Other dry and sound subfloors

### Processing

Usage in combination with Bona 2C-PUR adhesives

1. We recommend pre-cutting Bona RenoForce to the required sizes. The final sheets must overlap 30 cm\* on both sides from the joint.

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2. Remove loose material and top layers with the Bona FlexiSand and a suitable tool, such as PCD disc.
3. Vacuum the area thoroughly with a powerful industrial vacuum unit. Remove loose dirt from within the construction joints.
4. Apply Bona R540 over the area which is to be covered with Bona RenoForce, and let it dry for 1-2 hrs.
5. Afterwards mix one of the Bona 2C PUR adhesives like Bona R778 and apply it with the trowel Bona 1000F on the prepared subfloor.
6. Immediately lay the pre-sliced sheets (fleece side upwards), into the adhesive bed and push it down firmly with a flat trowel or any other suitable tool. The direction of the fibres must be across the joint direction. Please take note about the respective open time of the adhesive. Afterwards take the adhesive and smooth out Bona RenoForce. After the adhesive has been cured, the wood flooring can be installed as normal.
7. If the floor needs to be levelled afterwards, quartz sand (0.3-0.8mm particles) should be broadcasted into the wet adhesive. Remove surplus sand when the adhesive is fully cured.

### Usage with Bona Titan or a Bona silane adhesive

1. Proceed as described under 1-3 with the exception that the sheets need to overlap 60 cm to both sides of the joints.
2. Apply the adhesive. Lay the pre-sliced sheets (fleece side upwards), into the adhesive bed and push it down firmly with a flat trowel or any other suitable tool. The direction of the fibres must be across the joint direction. Please take note about the respective open time of the adhesive. Afterwards take the adhesive and smooth out Bona RenoForce. After the adhesive has been cured, the wood flooring can be installed as normal.

### Usage in combination with Bona H610

1. Proceed as described under 1-3 (usage with Bona 2C-PUR adhesives)
2. Strong absorbent subfloors should be pretreated with Bona D510. Let the primer sufficiently dry for at least 60 minutes.
3. Mix Bona H610 accordingly to the instructions and apply a thin layer of it to both sides of the crack of sufficient size of the RenoForce sheets.
4. Immediately lay in the pre-sliced sheets (fleece side upwards), into the wet compound and push it down firmly with a flat trowel. The direction of the fibres must be across the joint direction. Please take note regarding the respective open time of Bona H610. Remove surplus smoothing compound with water whilst fresh.

### Important Notes

- Do not use Bona RenoForce to over expansion, movement and perimeter joints in the substrate.
- Please observe the respective technical instructions provided in the technical data sheets.
- Wooden floor installation need to be carried out with the same adhesive system which you have used for the installation of Bona RenoForce.
- Make sure that Bona RenoForce will be levelled sufficiently to avoid height differences.

Bona takes only responsibility for the delivered product, no responsibility can be taken for the total installed product. If in doubt, conduct a test or a trial. Observe also other Bona product datasheets.

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