



R3BOND SYSTEM®

SYSTEM FOR THE REMOVAL AND RECYCLING OF VINYL FLOOR COVERINGS

TECHNICAL SHEET NO: TDS02267 02/05/24

SMART ADVANTAGES

- Patented system
- Floor covering can easily be removed and is free from adhesive residue and contamination
- Clean subfloor recovery
- Formulated with 75% bio-sourced material

DESCRIPTION

The R3Bond® SYSTEM is an innovative, patented resilient flooring adhesive system consisting of a bio-based adhesive and a unique grid. This patented solution allows the continued refurbishment of projects by eliminating the need to prepare floors during each renovation.

Resilient floor coverings can be removed and recycled, as this innovative system prevents adhesive contamination to the back of the floor covering.

Unlike traditional adhesives which prevent floor coverings from being recycled due to contamination, the R3Bond® SYSTEM encapsulates the adhesive within the grid, offering an innovative solution to the recycling of the covering.

With the R3Bond® SYSTEM, Bostik are able to offer a unique R3 concept: easy floorcovering R3moval, clean subfloor R3covery and R3cycling of vinyl flooring. Bostik's R3 concept provides valuable time saving opportunities.

The R3BOND® SYSTEM can be used with homogenous and heterogeneous resilient tile and sheet floor coverings including those with acoustic backings.

It is suitable for use within high temperature environments and in conjunction with warm water underfloor heating systems, provided a surface temperature of +27°C is not exceeded.



TECHNICAL CHARACTERISTICS

| | |
|--------------------------------|---|
| Colour | White |
| Form | Paste & Polyester Mesh |
| Composition | Acrylic |
| Application temperature | +10°C to +30°C |
| Waiting times | 10 to 20 minutes (depending on ambient temperature and humidity) |
| Open times | 45 minutes (depending on ambient temperature and humidity) |
| Drying times | Foot traffic approx. 12 hours Full cure/floor installation approx. 24 -48 hours (depending on ambient temperature and humidity) |
| VOC emissions | Very low emissions EC1 Plus |

COVERAGE

- Up to 30m²

APPLICATION

IMPORTANT: Before using Bostik R3BOND® SYSTEM, refer to the relevant Health & Safety Data Sheet, available at www.bostik.com/uk.

All phases of the application should comply with the current editions of:

- BS 8102 Code of practice for protection of below ground structures against water ingress.
- BS 5325 Code of practice for installation of textile floor coverings.
- BS 8203 Code of practice for installation of resilient floor coverings.
- BS 8201 Code of practice for installation of flooring of wood and wood-based panels.

Ensure the correct PPE is worn during use.

PREPARATION

- Ensure the subfloor is clean, sound and dry (<75%RH), of adequate tensile & compressive strength, free from laitance, cracks, structural defects and contaminants that may prevent adhesion (e.g., dust, oil, grease, paint, plaster, polish, some curing compounds, surface hardeners, additives and adhesive residues must be completely removed), and conforms to BS 8204 code of practice.
- Subfloors are required to be prepared with the approved R3Bond® SYSTEM products from the Bostik professional flooring range.
- Substrates with moisture measurements in excess of 75%RH must be protected from moisture with Bostik HYTEC E570 ONE COAT surface applied epoxy DPM.
- The country specific Bostik R3BOND® approved smoothing compound and primer system must be used. Please consult Technical Services for advice on specific products and subfloors.
- The temperature of the floor and application environment must be stable and maintained between +18°C and +27°C throughout the application and drying of the adhesive.

UNDERFLOOR HEATING

- Bostik's R3BOND® SYSTEM can be used on substrates containing warm water underfloor heating systems. The system must be fully commissioned and be switched off 48 hours prior to, during and for 48 hours post application. Wait 48 hours after installation before gradually turning up underfloor heating following the manufacturers recommended heat up guidance.

SMOOTHING COMPOUND

- Bostik's R3BOND® SYSTEM is only suitable for use with Bostik SL C510 PRO. For more information regarding the application of the correct smoothing compound, contact Bostik Technical Services.

NOTE: The R3BOND® SYSTEM should only be used with Bostik recommended smoothing compounds.

APPLICATION

| FLOOR COVERING | TROWEL SIZE | COVERAGE RATE |
|-----------------------------------|-------------|--------------------------|
| PVC coverings with smooth backing | A2 | 400-450 g/m ² |

- For more detailed information on the application of R3BOND®, refer to the Application Guide.
- Lay down the R3BOND® GRID in perpendicular direction versus the floor covering rolls or parallel for LVT planks/tiles.
- Do not overlap the R3BOND® GRID. Always leave 2-5 mm between sheets.
- Apply the R3BOND® ADHESIVE over the R3BOND® GRID in excess and spread across the initial area to lock the R3BOND® GRID in place.
- Once locked in place, go over the R3BOND® ADHESIVE with the trowel working more firmly from the centre towards the edges to leave a uniform covering of ridges in the adhesive.
- Leave a waiting time of 10-20 minutes.
- Once the R3BOND® ADHESIVE is receptive, place the floor covering and once the area is covered, roll the flooring with a heavy roller to dispel air and ensure a full coverage of adhesive to the floor covering.

NOTE:

- Always follow the floor covering manufacturers' installation guidance.

CLEANING

- Clean tools and equipment immediately after use. Remove any excess adhesive and clean tools with warm water. Dried and hardened material can only be removed mechanically. Material spillages on the floor covering should be left to dry and then removed.

STORAGE

- Store and transport securely in an upright position. Ensure the lid is secure. Store for up to 24 months from date of manufacture in original, unopened packaging in cool, dry conditions within the temperature range +10°C to +30°C and out of direct sunlight. Protect from frost.

PRECAUTIONS IN USE

For any application not covered, please contact Technical Services on +44 (0)1785 272625 or visit www.bostik.com/uk for advice.

Recommendations and suggestions are for guidance only, since conditions of use are completely beyond our control.

For health and safety instruction, first aid measures and spillage and disposal instructions, see separate Health and Safety Data sheet for Bostik's R3BOND SYSTEM, available at www.bostik.com/uk.

PACKAGING

| Product codes | | |
|---------------|----------|---------------|
| | 30624599 | 13kg bucket |
| | 30627929 | 1m x 30m Grid |

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