

# bond SBR

## Multi-purpose bonding & priming agent for walls & floors

### DESCRIPTION

Multi-purpose synthetic polymer primer and admixture for walls and floors.

#### Use for

A water-based dispersion of a styrene-butadiene copolymer with a wide variety of uses in the construction industry, particularly as an admixture and bonding agent for cement and concrete applications. Once cured, the polymer is water frost resistant.

- Primer before tile fixing on timber, plaster, screeds, rendering or vinyl tiles.
- Slurry coat of cement or plaster mix for wall and floor backgrounds in dry and wet interior and exterior environments.
- Suitable for swimming pools.

#### Restrictions: NOT suitable for

- Painted surfaces, existing non-porous surfaces (existing tiles), Epoxy coatings, some manufactured board systems (check with manufacturer first), use over BAL RAPID-MAT

### PRODUCT INFORMATION

**Composition:** Water-based dispersion styrene-butadiene copolymer

**Colours:** White

**Pack sizes:** 1 litre, 5 litres

#### Key Features:

- Greater toughness, flexibility and tensile strength, allowing mortars to be applied in thinner sections, thus reducing the weight of the construction.
- Improved adhesion to backgrounds/bases.
- Greater resistance to water and water vapour.
- Greatly increased protection from water and salts.
- Greater resistance to impact.
- Reduced surface dusting.
- Improved working characteristics particularly valuable in hot, humid climates.

**Drying time:** 15-30 mins. (at 20°C)

### COVERAGE

| Usage (bonding & admixture) | Typical Coverage           | 5 litre Bottle       |
|-----------------------------|----------------------------|----------------------|
| Plastering (12mm thick):    | 5m <sup>2</sup> /litre     | 25m <sup>2</sup>     |
| Rendering (12mm thick):     | 1.5m <sup>2</sup> /litre*  | 7.5m <sup>2</sup> *  |
| Screeding (50mm thick):     | 0.25m <sup>2</sup> /litre* | 1.25m <sup>2</sup> * |

\* @ 10 litres per 50kg OPC or BAL QUICKST CEMENT

| Usage (primer)         | Typical Coverage ^      | 5 litre Bottle    |
|------------------------|-------------------------|-------------------|
| Undiluted              | 12m <sup>2</sup> /litre | 60m <sup>2</sup>  |
| Diluted 1:2 with water | 36m <sup>2</sup> /litre | 180m <sup>2</sup> |
| Diluted 1:4 with water | 40m <sup>2</sup> /litre | 300m <sup>2</sup> |

^ May vary dependent on the porosity of surface, and on application.

| Usage (slurry coat)                                 | Typical Coverage       | 5 litre Bottle   |
|---|------------------------|------------------|
| Portland cement or BAL QUICKSET CEMENT (1mm thick): | 3m <sup>2</sup> /litre | 15m <sup>2</sup> |

## SURFACE PREPARATION

### Primer/Sealer

BAL BOND SBR can be used on the following areas as a primer or sealer before tiling:

#### - Plaster

Dilute 1 part BAL BOND SBR with:

For ready mixed dispersions, 4 parts clean cold water - Apply one coat. Allow coat of primer to dry.

For cement based powders, 2 parts clean cold water - Apply two coat (second coat applied at 90° to the first). Allow each coat of primer to dry.

#### - Screeds/renders

Dilute 1 part BAL BOND SBR with 4 parts clean cold water. Apply one coat. Allow coat of primer to dry.

#### - Vinyl

Brush BAL BOND SBR undiluted over whole of surface to be tiled. Fix tiles within 24 hours of application of BAL BOND SBR.

#### - Anhydrite/calcium sulfate and hemi-hydrate screed

Apply two coat of BAL BOND SBR (second coat applied at 90° to the first). Allow each coat of primer to dry.

Dilute first coat 1 part BAL BOND SBR with 4 parts clean cold water.

Dilute second coat 1 part BAL BOND SBR with 2 parts clean cold water.

#### - Timber floor surfaces

Seal timber surface on the underside and edges only with undiluted BAL BOND SBR.

### Admixtures

BAL BOND SBR can be used as on the following areas:

#### - Bricklaying/pointing

Add 10-15litres BAL BOND SBR to 50kg cement.

#### - Plastering

For slurry coat, dilute 1 part BAL BOND SBR to 4 parts water and mix with 9 parts plaster.

For integral part of plaster mix. Mix 2-4 litres BAL BOND SBR to 50kg plaster.

Dampen surface before application and apply plaster before slurry dries.

#### - Rendering/screeding/patching/repairing

For Slurry coat, add 1 part sand to 1 part cement by weight, mixed with appropriate amount of BAL BOND SBR pre-diluted 1:1 with clean water by volume to achieve desired consistency.

Dampen surface before application and apply render/screed before slurry dries.

For integral part of mortar (recommended for best results), mix 5-10 litres BAL BOND SBR with 50kg cement. In areas of high hydrostatic pressure, contact BAL TECHNICAL ADVISORY AND SPECIFICATION SERVICE.

NOTE: On vertical surface and soffits, coatings exceeding 6mm may be difficult to apply because mortars with BAL BOND SBR are more likely to slump than conventional mortars.

## BACKGROUNDS / BASES

|  |   |  |   |
|--|---|--|---|
| Brick/Concrete   | ✓ | Plaster (2)(3)(4)(10)                              | ✓ |
| Rendering (10)   | ✓ | Plasterboard (2)(3)(4)                             | ✓ |
| BAL BOARD/Tile Backer/Fibre Cement Boards (2)(3)(4)(6) | ✓ | Unglazed Ceramic Tiles / Hard Natural Stone (11&4) | ✓ |
| Cement:Sand Screed (3)(8)(10)                          | ✓ | Lightweight Blockwork (2)(3)                       | ✓ |
| Anhydrite/Calcium Sulfate Screeds (5)(8)               | ✓ | Overlaid Timber Floors – 15mm min. (4)(6)(9)       | ✓ |
| Vinyl Tiles/Sheets (11)                                | ✓ | Timber Floors (2)(7)                               | ✓ |
| BAL RAPID-MAT/BAL FLEXBONE Products                    | ✗ | Glazed Tiles                                       | ✗ |

## USAGE & SERVICE CONDITIONS

|                                |   |                                |   |
|--------------------------------|---|--------------------------------|---|
| Walls                          | ✓ | Floor                          | ✓ |
| Interior                       | ✓ | External                       | ✓ |
| Dry                            | ✓ | Wet Areas                      | ✓ |
| Worktops                       | ✗ | Showers (a)(4)                 | ✓ |
| Swimming Pools (b)             | ✓ | Hydrotherapy Pools (b)(1)      | ✓ |
| Underfloor Heating Systems (7) | ✓ | Limited Movement/Vibration (8) | ✓ |

(1) Tiles must be grouted using BAL ABSOLUTE GROUT.

(2) Primer – Dilute 1 part BAL BOND SBR to 2 parts water by volume.

(3) Primer – Dilute 1 part BAL BOND SBR to 4 parts water by volume.

(4) In wet conditions tank out with BAL TANK-IT or BAL WATERPROOF 1C.

(5) Prime with BAL BOND SBR, first coat 1:4 with water by volume, second coat diluted 1:2 with water 90° to the first.

(6) Check suitability for the intended purpose with the manufacturer.

(7) When used with BAL RAPID-MAT/BAL FLEXBONE VARied.

(8) May be used in conjunction with BAL RAPID-MAT/BAL FLEXBONE VARied.

(9) Seal back face and edges with undiluted BAL BOND SBR.

(10) Used as an admixture and slurry coat to obtain optimum benefits.

(11) Primer – Undiluted BAL BOND SBR

**Not recommended for use on paint, metal or existing glazed tiles.**

**Note:**

(a) Do not use shower for at least 2 weeks after completion of grouting – BS 5385:Part 4.

(b) Do not fill pool for at least 3 weeks after completion of grouting- BS 5385:Part 4.

## MIXING

1. Shake container well before use.
2. Can be used undiluted/dilute 1:2 or 1:4 by volume of BAL BOND SBR and clean water and thoroughly mix.

## APPLICATION/USAGE

### Usage procedure

IMPORTANT NOTE: Do NOT use in temperatures below 5°C.

1. Ensure surfaces are free from dirt, grease and other loose materials. Brush down highly polished surfaces with a stiff bristle brush before priming.
  2. Apply 2 coats of BAL BOND SBR using a clean brush from a container, diluted or undiluted as appropriate (See USAGE above). Allow to dry between coats.
- NOTE: If using on floor, do NOT allow to form puddles.
3. Ensure even coverage.
  4. Allow to dry thoroughly for 15-30 minutes before applying adhesive.
  5. Clean product from tools using clean water.

## HEALTH & SAFETY INFORMATION / GOOD PRACTICE ADVICE

For detailed information and safety guidance, please refer to Product Material Safety Data Sheet [MSDS].

### TECHNICAL ADVISORY SERVICE

For free expert guidance on use of this product, or any aspect of tiling, contact the BAL TECHNICAL ADVISORY AND SPECIFICATION SERVICE on Tel: 01782 591120 or 03330 030160 or Email: [info@building-adhesives.com](mailto:info@building-adhesives.com)

### SHELF LIFE

12 months under normal dry conditions. Protect from frost and damp.

### QUALITY AND ENVIRONMENTAL STANDARDS

Manufacturing quality assurance standards conform to BS EN ISO 9001. Satisfies the environmental management requirements and operational scope of ISO 14001.

### 25 YEAR GUARANTEE

*All BAL products are supplied with a 25-year product guarantee to be free from manufacturing defects and to be fit for purpose. The guarantee covers materials replacement costs and labour. This guarantee is subject to use of product in accordance with BAL's instructions and technical data, and good working practice. No liability can be accepted for any loss or damage arising from incorrect use of products or poor workmanship, over which BAL has no control. While products may be suitable for installations internally or externally, products when used externally are exempt from cover under the BAL 25 Year Guarantee. Terms and conditions apply. Full details are available for your review at [www.bal-adhesives.com](http://www.bal-adhesives.com).*

### CONDITIONS OF SALE

Sold subject to the Company's Conditions of Sale. Available on request.

*For sales and technical queries, contact:*

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NOTE: BAL reserves the right to update instructions, technical data and other information at any time without notice.

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