



Specialist Construction Supplies for Repair, Maintenance, Building & Infrastructure

Compound SBR Data Sheet

Specification notes

Product: **Compound SBR**

Supplier:

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COMPOUND S.B.R.

Polymer Admixture for Cement Systems

DESCRIPTION

A polymer admixture based upon Styrene Butadiene Co-polymer for use in concrete, renders, screeds, pointing and repair mortars to provide high levels of water resistance together with significant improvements in durability, tensile and compressive strengths. Also improves bond to substrate.

AREAS OF USE

- Floor screeds and topping including self smoothing underlayments. Ideal background for epoxy and polyurethane finishes.
- Bonding agents. Will bond to concrete, steel, glass, glazed tiles and wood.
- Concrete repair systems.
- Water resistant thin and thick bed adhesives for fixing brick slips, ceramic, tiles, kerbstones, wall capping stones, etc.
- Mortars and renders e.g. mortar between engineering bricks and render onto expanded polystyrene. Re-pointing of brickwork.
- Grouts.
- Corrosion protection of steel e.g. as a primer for steel and to prevent corrosion of the steel reinforcement of concrete.
- Sealing old concrete (e.g. garage floors) and asbestos sheets. Anti-dust.
- Roof screeds. Filling depressions in flat roofs.
- Waterproof internal lining for swimming pools and concrete water tanks.
- Correcting wall and floor levels in new buildings, where there has been a design or workmanship problem.
- Improving Glass Reinforced Cement Products. In addition to the normal benefits obtained from the use of **BCR Compound SBR** in cementitious systems, it aids dispersion of the fibres.

ADVANTAGES

- Greatly improved adhesion to a wide range of substrates including dense concrete, glass, steel, tile etc.
- Mixes may be applied in much thinner sections down to 6mm.
- Excellent resistance to water and water vapour.
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- A high level of resistance to salt permeation.
- Much improved toughness and flexibility.
- Reduced surface dusting of concrete.
- Greatly improved resistance to many chemicals.
- Reduced water: cement ratio for equivalent workability.
- Improved frost resistance.
- Carbonation resistance.
- Better protection of steel reinforcement

Advantages over Acrylic Admixtures:

- More alkali and acid resistant.
- No additional coalescent needed as is the case with some acrylics.
- Less odour than acrylics. (Acrylic dispersions are often compatible with **BCR Compound SBR** and hence a blended cement admixture can be considered by those who prefer not to make a sudden change from an acrylic to **BCR Compound SBR**).

In addition, **BCR Compound SBR** has the advantage over PVA bonding aids in that it is not adversely affected in wet conditions and is therefore recommended for exterior use.

APPLICATION

For full details on use refer to individual "Guidelines to use" technical data sheets covering Priming, Waterproofing Concrete Repair and Screeds and Toppings.

TECHNICAL DATA

Minimum application temperature:

5° c

Tack free time @ 25° c:

- 15 hours

Full cure time @ 25° c :

- 48 hours @ 1.3 mm thickness

Total Solids:

47%

Specific Gravity @ 25° C:

1.01

pH:

9.5

Freeze thaw Stability:

Good

MFT:

1° c

PACKAGING

Available in 5, 25 and 200 litre

STORAGE

BCR Compound SBD is best stored at moderate temperatures to avoid the possibility of permanent damage occurring due to prolonged heat or excessive cold.

If frozen, the latex should be thawed slowly.

BCR Compound SBR should be stirred before use.

BCR Compound SBR contains sufficient bactericide to preserve the latex under normal storage conditions.

HEALTH & SAFETY

Please read the relevant Material Safety Data Sheet **Carefully.**

Protect skin and eyes from direct contact.

Full Material Safety Data Sheets are available on request.

