

GEOCHEM



PROFESSIONAL
BUILDING
CHEMICAL
RANGE

SBR WATERPROOF BONDING AGENT

WATER RESISTANT BONDING AGENT, PRIMER AND ADMIXTURE

Geochem SBR Waterproof Bonding Agent is a specially compounded latex mix designed for use with cement based mixes. It is ideal for producing high abrasion resistant floors and renders, and patching and bonding onto backgrounds with low suction. When dry the finished mortars or concrete show a vastly improved resistance to water. It can be used internally or externally where improvements in the physical properties of Portland cements systems are required.

Geochem SBR Waterproof Bonding Agent is ideal for use in internal and external renderings, flooring screeds and patch repairs.

Geochem SBR Waterproof Bonding Agent:

- Water resistant bonding agent, primer and admixture
- For external renderings, mortars and screeds.
- Increases durability and flexibility
- Ensures bonding of floor toppings, renders and repairs
- Reduces shrinkage and cracking



TECHNICAL DATA

Form	White liquid
Storage Life	12 Months stored between 5°C and 25°C in original containers

Specification writers: These values are not intended for use in preparing specifications. Please contact your local **Geocel® Sales Representative** prior to writing specifications on this product.

SURFACE PREPARATION

All surfaces must be sound, clean, free from dust, grease, oil and loose materials.

Surfaces with high suction should be thoroughly dampened before application.

Any excess water should be removed from the surface before application. Sands used in the mixes should be well graded, clean, sharp sands, and should conform to the appropriate British standards.

APPLICATION

Waterproof renders:

Dampen surfaces if necessary, then brush apply **Geochem SBR Waterproof Bonding Agent**, 1 part SBR: 1 part water: 5 parts cement (by volume) mixed to produce a smooth, creamy consistence approximately 1mm thick.

For weak porous substrates, apply a coat of SBR bonding primer brushing vigorously into the surface. Allow to harden (minimum 16 hours: maximum 3 days) and then apply a second coat of **Geochem SBR Waterproof Bonding Agent**. Whilst the final coat of bonding primer is still tacky, apply a render of Mix A (see below) to a minimum thickness of 6mm. Scratch this coat to provide a key, then apply a second coat of Mix A at maximum thickness of 6mm, when the first coat is firm (approx 5-6 hours).

Flooring:

Dampen surfaces if necessary, then brush apply **Geochem SBR Waterproof Bonding Agent**. Lay screed whilst the primer is still tacky/wet (see above)

For 6mm-12mm thickness screeds – Use Mix B
For 12mm-25mm thickness screeds – Use Mix C
For 25mm-40mm thickness screeds – Use Mix C with **Geochem SBR Waterproof Bonding Agent** / water gauging liquid reduced to approx 5 litres/50kg cement (1 part SBR: 3 parts water)

Heavy duty screeds:

For 12mm-25mm thickness – Use Mix D
For 25mm-40mm thickness – Use Mix D with **Geochem SBR Waterproof Bonding Agent** / water gauging liquid reduced to approx 5 litres/50kg (1 part SBR: 3 parts water).

The above screeds should be applied whilst the bonding primer is still tacky/wet.

For dense water resistance concrete, Mix E should be used.

Enough gauging liquid should be used to provide working consistency. Prevent the mixes from drying out too much during the first 48 hours, e.g. covering with polythene sheeting, damp Hessian or mist spraying with water.

COVERAGE

As SBR Bonding Primer approx 15m² per 5 Litre.

CLEANING

Clean all equipment with water immediately after use.

PACKAGING

Geochem SBR Waterproof Bonding Agent is available in 2.5 Litre jerry cans boxed in 6 and 5 Litre jerry cans boxed in 2.

Mix Type	Thickness screeds	Aggregate/sand/cement by weight	Aggregate/sand/cement by volume	SBR/Water/Gauging liquid	Approx yield/50kg cement
A		0:2.5:1	0:2:1	3:1	0.1m ³
B	6mm-12mm	0:2.5:1	0:2:1	1:1	0.1m ³
C	12mm-25mm	0:3:1	0:2.5:1	1:1	0.11m ³
D	25mm-40mm	1.5:1.5:1*	1.25:1.25:1	1:1	0.11m ³
E		2.5:1.5:1**	2.5:1.25:1**	1:3	0.14m ³
		* 3mm to 6mm granite chips		**20mm aggregate	

HEALTH AND SAFETY

Geochem **SBR Waterproof Bonding Agent** is essentially non hazardous in normal use. For further information please refer to Health and Safety data sheets available on request.

TECHNICAL SERVICE

For further technical information, advice on suitability for specific applications, or detailed Health and Safety information, contact **Geocel® Technical Service**.

IMPORTANT NOTE The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that Geocel's products are safe, effective and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

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