

SBR LATEX Cement Additive

SBR Latex is designed for use in internal and external cement based mixes to improve adhesion and resistance against water, chemicals and abrasion.



SBR Latex is a styrene butadiene copolymer latex, specially modified to be compatible with cement based mixes including ordinary portland cement or high aluminium cement. It may be incorporated into cementitious renders, screeds or patching mixes

ADVANTAGES

- Easy to use
- Can be used in areas of continuous or intermittent water contact.
- Improves flexibility and reduces cracking
- Improves resistance to chemicals and abrasion
- Improves adhesion to substrate
- Improves workability of the mix to allow for a thinner screed to be laid
- Imparts high water and salt resistance
- Allows a reduction in water content

TYPICAL USES

- After an application of a DPC to improve salt-inhibiting and waterproofing qualities of render
- Effluent tanks
- Dairies
- Food factories and fertiliser stores

TECHNICAL DATASHEET

SUBSTRATE PREPARATION

Where specific build methods are covered by British Standard Codes of Practice, e.g. rendering and floor screeds, these should be followed as a guide to good building practice.

All surfaces must be sound and free from laitance, paint, grease, oil, surface water or any other contaminant which may adversely affect adhesion. Surfaces of high suction should be thoroughly dampened before the application of bonding primers. Remove excess water from the surface before continuing. The sand to be used in the mixes should be well graded, clean and meet the appropriate British Standards.

Additional preparation is required where steel reinforcement is exposed. Wire brush or grit blast to remove rust and scale, liberally apply **BONDING PRIMER MIX 2** (see below) by brush to the prepared exposed steel and allow to become firm.

MIXING

PRIMERS

BONDING PRIMER MIX 1

1 part SBR Latex : 5 parts cement (by volume)

Mix to produce a smooth, creamy consistency.

BONDING PRIMER MIX 2

1 part SBR Latex : 1 part cement (by volume)

Mix to produce a thick, smooth, creamy consistency.

BONDING PRIMER MIX 3

1 part SBR Latex : 3.5 parts plaster (by volume)

Mix to produce a smooth consistency

Please Note: All bonding primers should be applied to a minimum thickness of 1 mm.

MIX 1

Cement - 50 Kg
Sand - 125 Kg
SBR Latex - 15 Litres
Water as required

or

Cement - 1 part (by volume)
Sand - 2 parts (by volume)
SBR Latex and water at 3:1 (or as required)
Approximate mix volume = 0.1 m³ (16 m² at 6 mm thickness)
per 50 Kg of cement.

MIX 2

Cement - 50 Kg
Sand - 125 Kg
SBR Latex - 10 Litres
Water as required

or

Cement - 1 part (by volume)
Sand - 2 parts (by volume)
SBR Latex and water at 1:1 (or as required)
Approximate mix volume = 0.1 m³ (8 m² at 12 mm thickness)
per 50 Kg of cement.

MIX 3

Cement - 50 Kg
Sand - 150 Kg
SBR Latex - 10 Litres
Water as required

or

Cement - 1 part (by volume)
Sand - 2.5 parts (by volume)
SBR Latex and water at 1:1 (or as required)
Approximate mix volume = 0.11 m³ (9 m² at 12 mm thickness)
per 50 Kg of cement.

MIX 4

Cement - 50 Kg
Sand - 75 Kg
Granite chips
SBR Latex - 10 Litres
Water as required

or

Cement - 1 part (by volume)
Sand - 2.25 parts (by volume)
Granite chips (3-6 mm) 75 Kg part volume
SBR Latex and water at 1:1 (or as required)
Approximate mix volume = 0.11 m³ (9 m² at 12 mm thickness)
per 50 Kg of cement.

MIX 5

Cement - 50 Kg
Sand - 75 Kg
20 mm aggregate
SBR Latex - 5 Litres
Water as required

or

Cement - 1 part (by volume)
Sand - 1 part (by volume)

SBR LATEX



20 mm aggregate - 2.5 parts - 125 Kg by volume
SBR Latex and water at 1:3 (or as required)
Approximate mix volume = 0.14 m³ per 50 Kg of cement.

APPLICATION

Patching:

1. Dampen the surrounding substrate and apply **BONDING PRIMER MIX 2** over the entire area to be patched.
2. Whilst the final bonding primer coat is still wet/green patch using **MIX 1**.

Bedding:

1. Apply **BONDING PRIMER MIX 1** by brush to both of the prepared surfaces.
2. Whilst the bonding primer mix is still wet/green, butter one of the surfaces with **MIX 1**.
3. Provide temporary support where necessary.
4. For thin joints use fine graded sands (BS1199:Type B), keeping the water content to a minimum.

Pointing:

1. Apply **BONDING PRIMER MIX 1** into the dampened joints. Primer only the small areas which can be jointed easily before the primer dries or sets.
2. Whilst the bonding primer mix is still wet/green, point the joints with **MIX 1**.

Waterproof Renders:

1. Apply **BONDING PRIMER MIX 1** by brush to the

dampened surface. For difficult surfaces, i.e. weak and porous substrates, apply a coat of **BONDING PRIMER MIX 2**, brushing vigorously into the surface, stippling to provide a key.

2. Allow to harden (a minimum of 16 hours, a maximum of 3 days)
3. Apply one coat of **BONDING PRIMER MIX 1** by brush onto the dry primer coat, again stippling to provide a key.
4. Whilst the bonding primer is still wet/green, apply a render of **MIX 1** to a minimum thickness of 6 mm.
5. Lightly scratch to provide a key and apply a second coat of **MIX 1** when the first coat is firm (approx. 6 hours), to a maximum thickness of 6 mm.
6. Prevent the render from drying out during the first 48 hours, e.g. by mist spraying with water when firm.

Tanking (Cellars, Swimming Pools and Ponds):

1. Rake out all unsound joints and repoint as detailed in 'POINTING' application above.
2. Allow to cure for a minimum of 24 hours before continuing.
3. Apply **BONDING PRIMER MIX 2**, brushing vigorously into the dampened surface, stippling to provide a physical key.
4. Bed a fillet of **MIX 1** at the wall and floor junction, whilst the bonding primer is still wet/green. Allow to harden (minimum of 16 hours, maximum of 3 days).
5. Apply a second coat of **BONDING PRIMER 2** by brush, to the dry first coat, laying off at a right angle to previous coat and stippling to provide a physical key.

6. Apply MIX 1 as detailed under **'WATERPROOF RENDERS'** application.
7. For areas subject to a high level of water pressure, e.g. cellars, basements etc., or where walls/floors are in poor condition, BS8102:2022 (Code of Practice for the Protection of Structures Against Water from the Ground) should be consulted. For further advice, contact the Wykamol Technical Department.

Flooring:

The following screeds should be applied while the recommended bonding primer is still wet/green. For the best results, carry out work between 5°C and 25°C with the use of well graded, clean, dry and sharp sands.

1. Apply one coat of **BONDING PRIMER MIX 1**. If the surface is porous, **BONDING PRIMER MIX 2** should be used.
2. For screeds at a thickness of 6 - 12 mm, use **BONDING PRIMER MIX 2**.
3. For screeds at a thickness of 25 mm+ use **BONDING PRIMER MIX 3** with SBR LATEX reduced to 5 litre/50 Kg of cement (or 1:3 SBR Latex to water).
4. For heavy duty screeds at a thickness of 12 - 25 mm, use **BONDING PRIMER MIX 4**.
5. For heavy duty screeds at a thickness of 12 - 25 mm use BONDING MIX 4.
6. For heavy duty screeds at a thickness of 25 mm+ use BONDING PRIMER MIX 4 with SBR Latex reduced to 5litre/50 Kg of cement (or 1:3 SBR Latex to water).
7. For dense, water resistant concrete, BONDING PRIMER MIX 5 should be used.
8. All mixes should be covered with polythene sheeting or damp hessian, or mist sprayed for the first 48 hours to prevent drying out.
9. All screeds should be laid in bays not exceeding 25 m². The maximum length of the bay should be no greater than 1.5 times the width.

Bonding Gypsum Plaster:

1. Brush apply 2 coats of **BONDING PRIMER MIX 1**
2. Allow approx. 30 minutes between coats
3. Whilst the second coat of bonding primer is still wet, apply gypsum bonding plaster as per normal plastering practice.

Suction Control:

SBR Latex may also be used as a primer coat when diluted with 2 parts water, to control suction on very porous and difficult surfaces, before subsequent treatments are carried out with cement/gypsum based systems.

After application, leave to dry thoroughly before continuing.

CLEANING EQUIPMENT

All tools should be cleaned with water immediately after use.

APPLICATION CONDITIONS

Do not apply at temperature below 5°C or above 25°C and protect from overnight frosts.

PACK SIZE

5 Litre	SBR5L
25 Litre	SBR25L

STORAGE & SHELF LIFE

Store off the ground and in dry, frost free conditions, between temperatures of 5°C and 25°C. Shelf life is 12 months when unopened, undamaged and stored correctly.

HEALTH AND SAFETY

For further information and advice, please contact the Wykamol Technical Department and consult the safety data sheet, which is available upon request or can be downloaded from our website.

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