

## MAX 3006 SBR – Z<sup>+</sup>

### DESCRIPTION:

**MAX 3006 SBR – Z<sup>+</sup>** is based on modified styrene butadiene rubber latex, supplied as a ready to use bonding agent in liquid consistency. It is used for repair of spalled concrete – floors, columns, beams, chhajja's, slabs & also for waterproofing of toilets & bathrooms, small terraces etc. as it bonds strongly to old & new concrete and also plasters. It reduces shrinkage, prevents cracking, dust pick up & improves abrasion resistance. Meets the requirements of **BS 6319 part 2:1983** & **ASTM C 190-85** standards.

### AREA OF APPLICATION:

- For concrete repairs - Spalled concrete of floors, columns, beams, chhajja, slabs, parapets, etc.
- For waterproofing – Small roof terraces, sunken portions of toilets & bathrooms, chhajja & lift pits, balconies
- As a bond coat – For bonding of new concrete to old concrete, masonry stone work, plastering
- For cladding – Fixing or re-fixing of slip bricks, tiles, stones & marble bedding
- As external rendering – Weatherproof & frost resistant render
- As bonding slurry coat for pinhole treatment on concrete surface

### FEATURES & BENEFITS:

- Multipurpose – It is multipurpose & economical product, easy to use
- Cracking – It prevents cracking by improving flexural strength
- Hardness – Improves the hardness & prevents dust generation
- Shrinkage – Reduces drying & aging shrinkage cracks
- Bonding – Bond strongly to concrete, masonry, stonework, plasters, cementitious surfaces
- Erosion & corrosion – Improves erosion resistance & prevents corrosion
- Abrasion resistance – Improves abrasion resistance of the cement mix
- Grouting – Reduces viscosity of cement injection grout for better fluidity & bonding

### METHOD OF APPLICATION:

#### 1. SURFACE PREPARATION

- Clean the surface with wire brush or scrubber to remove hidden dirt, loose particles, laitance & dust. Degrease the surface by using suitable solvents.
- Repair the spalled concrete portion by saw, cutting the extreme edges of the repair location to a depth of at least 10 mm to avoid featheredging & to provide strong bond
- Clean the concrete surface to remove any contamination where breaking is not possible. Roughen the surface by light scabbling or grit blasting.
- For priming of concrete substrate, the surface should be thoroughly saturated with potable water. Remove any excess of water prior to application

#### 2. WATERPROOFING COAT

- For a waterproofing coating Mix **MAX 3006 SBR – Z<sup>+</sup>**: Cement in the ratio 1:0.5 by volume.
- Mix for 2-3 minutes to avoid air entrapment. Keep on slowly adding cement to: **MAX 3006 SBR – Z<sup>+</sup>** until the required consistency is achieved.
- Brush applies 2 coats of the mix in a span of 4-6 hours on the prepared concrete substrate.
- Overlay the coating with a protective screed to the desired slope & thickness.

#### 3. BONDING PRIMER

- For a bonding primer coat mix: **MAX 3006 SBR – Z<sup>+</sup>**: Cement in the ratio 1:1 by volume.
- Brush apply 1 continuous coat of the mix on the prepared concrete substrate
- Ensure to overlay the repair mortar when the bond coat is still tacky

#### 4. REPAIR MORTARS & RENDERS

A suitable mix ratio for patching repair mortar or render is as follows: Mix design - Portland cement: 50 kg, Washed sand: 150 kg, **MAX 3006 SBR – Z<sup>+</sup>**: 6-7.5 kg & Water: 3 Litre



## 5. FLOOR SCREEDS & PCC

A suitable mix ratio for patching repair mortar or render is as follows: Mix design - Portland cement: 50 kg, Washed sand: 75kg, 6mm downsize aggregates: 75 kg, **MAX 3006 SBR – Z<sup>+</sup>**: 6-7.5 kg & Water: 3 Litre

## 6. MIXING & APPLICATION

- A forced action mixer is essential (PAN Mixer) & recommended to ensure that: **MAX 3006 SBR – Z<sup>+</sup>** mortar is thoroughly mixed. Use a suitable sized drum with heavy-duty electrical Drill machine fitted with spiral paddle mixer at slow speed of 400-500 rpm.
- Hand mixing is permissible only for 25 kg or less quantity.
- Charge the mixer with required quantity of clean & dry sand (or coarse aggregates as needed), cement & mix for 1-2 minutes, then add the recommended dosage **MAX 3006 SBR – Z<sup>+</sup>** dispensed in water which is pre-batched. Mix for 2-3 minutes to avoid air entrapment. Keep on slowly adding water until the required consistency is achieved.

### TECHNICAL INFORMATION:

- Application Composition: Nature Milky White, free flowing liquid
- Type **MAX 3006 SBR – Z<sup>+</sup>** (Styrene Butadiene Rubber)
- pH Value 7-9

### COVERAGE:

- As a waterproofing coat - 25 – 30 Sq. Ft. / Kg in 2 coats
- As a mortar modifier – 6-7.5 kg of: **MAX 3006 SBR – Z<sup>+</sup>** per 50 kg of cement
- As a bonding agent – 45 to 50 Sq. Ft. / Kg. / coat

### PACKING:

200 gm, 500 gm, 1 kg, 5 kg, 10 kg, 20 kg and 50 kg.

### STORAGE & LIFE:

Best before two years from the date of manufacture when in sealed pack and stored in cool & dry place. Away from direct sunlight.

### HEALTH & SAFETY:

- Use rubber hand gloves & safety goggles, while using: **MAX 3006 SBR – Z<sup>+</sup>**.
- In case of contact with skin, wash with plenty of water.
- Keep out of reach of children

### TECHNICAL INFORMATION & SERVICES:

Further information and advice, including practical demonstration are freely available with the Technical Service Department of **SEMITRONE CONCHEM PVT LTD - AHMEDABAD**.

**DISCLAIMER:** The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results.



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