

# CEYMCO PROBOND SBR

SBR Latex For Waterproofing / Repairs

## Description

**CEYMCO PROBOND SBR** is a carboxylated styrene butadiene copolymer latex for integral adhesive for slurry bond coats, mortars and concrete to improve strength and Chemical resistance.

**CEYMCO PROBOND SBR** meets ASTM C 1059-86, Type II.

## Characteristics

|                     |                    |                     |           |
|---------------------|--------------------|---------------------|-----------|
| Physical Appearance | Milky white liquid | Solid Content, %    | 56 ± 2    |
| Specific gravity    | 1.01 ± 0.05        | Shear Adhesion, Mpa | 9.0 ± 0.2 |

## Application

- Toppings, patches and leveling concrete surfaces.
- Modifying / improving bonding of floor toppings, rendering and mortars.
- Repair of worn / damaged / spalled concrete and cracks.
- Thin sets, terrazzo, stucco and bonding slurries.
- General reconstruction work and latex modified overlays.
- Bridge decks, highways and parking area.

## Advantages

- Easy to use.
- Excellent bond to concrete adhesion plaster, masonry, stone work etc.
- Facilitates dense, impermeable, mortar for column & beam repairs.
- Reduces rate of corrosion while applied on steel bars.
- Reduces cracking through increased mortar flexural strength.
- Increases mortar wear resistance under rubber wheeled traffic.
- Increases mortar tensile strength.
- Increases durability during freeze / thaw cycles.
- Withstands chloride ion diffusion & sulphate / CO<sub>2</sub> attack due to marine or industrial weather.

## Application Methodology

### ➤ Surface Preparation

- ☐ If **CEYMCO PROBOND SBR** is used as a slurry bond coat, ensure that concrete is 3 days old.
- ☐ Do not place slurry coat on standing water.
- ☐ Ensure that the concrete is clean and rough. Remove all oil, dirt, debris, paint and unsound concrete.
- ☐ The surface must be prepared mechanically using a scabbler, bush hammer, shot blast or scarifier which will give a surface profile of a minimum 3 mm and expose the large aggregate of the concrete.
- ☐ Use vacuum cleaner or pressure washing to ensure thorough cleaning and removal of all residue.
- ☐ Ensure all concrete possess an open surface texture with all curing compounds and sealers removed.
- ☐ Pre-wet all areas to reduce moisture loss.

## ➤ Material Preparation

### ☐ Suggested Mix:

| Mix Type     | Unit | Cement Slurry | Mortar |
|--------------|------|---------------|--------|
| Cement       | kg   | 50            | 50     |
| Sand zone II | kg   | -             | 125    |
| PROBOND SBR  | L    | 11.5          | 7 – 10 |
| Water        | L    | 8 – 10        | 8 - 10 |

- For small quantity, mix with a drill and "jiffy" mixer.
- For large quantity use drill machine fitted with paddle or small mixer machine.
- Add the appropriate quantity of **CEYMCO PROBOND SBR** for the batch size consisting of powder / sand / coarse aggregate and cement and mix till the required consistency is achieved.
- If using **CEYMCO PROBOND SBR** with a pre-packaged product, reduce the amount of water added to compensate for the latex addition.

## ➤ Application of Material

- ☐ Prime all prepared surface areas with a slurry coat before applying the topping.
- ☐ **Bond Coating Application**
  - Spread the slurry with a stiff bristle broom until the suggested coverage rate is achieved.
- ☐ **Topping Application**
  - For patching, spread with a trowel, come-a-long, or a square tipped shovel to a thickness that matches the surrounding concrete. Finish by hand trowelling.
  - On large floor areas, use screed strips as guides in combination with vibratory screeding to level. Compact and finish by hand or machine trowel.
  - In case of bonding toppings with **CEYMCO PROBOND SBR**, use slurry coat instead of **CEYMCO PROBOND SBR** itself as a primer.
- ☐ **Structural repairs for columns and beams**
  - Use polymer mortar admix with **CEYMCO PROBOND SBR** to build up the spalled areas of the cover zone concrete.
- ☐ **Finishing**
  - Finish the repair material to the desired texture. Typical texture is a broom or sponge float finish. Do not add additional water to the surface during the finishing operation.
- ☐ Ensure proper curing for durability and quality of repair or over layment. To prevent surface cracking, keep surface moist for at least 72 hours.
- ☐ Execute structural repairs for columns & beams using polymer mortar. This is a dry pack method to build up the spalled areas of the cover zone concrete and has high compressive and tensile strengths.
- ☐ **Do not place CEYMCO PROBOND SBR on standing water.**

## Cleaning & Maintenance

Clean tools and equipment with water before the material hardens.

## Health & Safety

- Avoid contact with skin / eyes and avoid swallowing.
- Ensure adequate ventilation and avoid inhalation of vapour.

- Wear suitable protective clothing, gloves and eye protection.
- In case of skin contact, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of eye contact, wash with plenty of clean water and seek medical advice.
- If swallowed, seek medical attention immediately. Do not induce vomiting.

### **Packaging**

Available in 5 L, 20 L

### **Storage**

Keep in cool and dry place, under shed, away from heat.

### **Shelf Life**

24 months in original unopened sealed condition.



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