

HOMESURE wSHIELD SBR 50 (SUPER BONDING REPAIR LATEX CHAMPION 50)

Multifunctional Styrene Butadiene Rubber Latex for Waterproofing, Bonding & Repairing

wSHIELD SBR 50 (Super Bonding Repair Latex Champion) is a high-performance, single-component Styrene Butadiene Rubber latex designed for use in cementitious applications. It enhances adhesion, flexibility, and durability while improving water resistance, abrasion resistance, and workability. wSHIELD SBR 50 is ideal for use as a bonding agent, waterproofing admixture, & repair mortar modifier in concrete, plaster, and masonry works.

TECHNICAL DETAILS

Nature	: Milky white colour liquid
Non-volatile content	: 40 ± 2
pH	: 8 – 10
Specific gravity @ 27°C	: 1.02 – 1.09
Setting time (Initial)	: 24 hours
Initial curing time	: 72 Hours (with moist curing)
Full curing time	: 28 days (under water immersion)
Flammability	: Non-flammable

FEATURES AND BENEFITS

- ✓ Improves adhesion for old-to-new concrete bonding.
- ✓ Reduces shrinkage and minimizes cracks in cementitious applications.
- ✓ Enhances flexural strength and impact resistance.
- ✓ Increases abrasion resistance, making surfaces more durable.
- ✓ Provides superior waterproofing properties for concrete and plaster.
- ✓ Prevents dust formation and surface erosion
- ✓ Improves workability and reduces permeability in mortar and concrete.
- ✓ Protects against corrosion and chemical attacks.

PACKAGING

1kg, 5 kg, 10 kg, 20 kg pails, 50 kg & 200 kg barrels

COVERAGE

1 kg wSHIELD SBR 50 will cover approx.20-26 sq. Ft in 2 coat system depending upon the surface.

APPLICATION AREAS

- Structural concrete repairs (beams, columns, slabs, chhajjas, foundations)
- Waterproofing for bathrooms, small terraces, toilets, and balconies
- Bonding agent for old-to-new concrete applications
- General concrete and plaster modifications for improved durability
- Industrial flooring and protective coatings for concrete surfaces

GUIDANCE FOR USE

SURFACE PREPARATION:

- Ensure the surface is clean, free from dust, grease, and loose particles.
- The surface may be damp but should not be saturated.
- Prime the prepared surface using a slurry coat of wSHIELD SBR 50 (1 part wSHIELD SBR 50 and 3 parts water).

WATERPROOF COATING:

- After the primer coat has dried, prepare a mix of wSHIELD SBR 50, water, and cement in a 1:2:5 ratio using a slow-speed mixer.
- Apply a minimum of 2–3 coats using a brush or roller, depending on surface requirements.
- Ensure each coat is fully cured before applying the next layer.

BONDING AGENT APPLICATION:

- Prime the surface with wSHIELD SBR 50 (1-part SBR 50 to 3 parts water) using a brush or roller.
- Apply a bonding slurry with a mix of 1 kg wSHIELD SBR 50 to 2 kg cement.
- The bonding agent should be tacky before overlaying with fresh concrete or mortar.

REPAIR MORTAR APPLICATION:

- Prime the surface as mentioned above.
- Prepare a repair mortar mix of wSHIELD SBR 50: Cement: Sand in a 1:4:7 ratio.
- Apply the mortar in the required area and finish with a steel trowel or conventional method.
- Cure the applied mortar for 12–24 hours to ensure proper bonding.

CLEANING & DISPOSAL

- Clean tools and equipment with water before the material hardens.
- Spillages should be absorbed with sand, earth, or vermiculite and transferred to suitable containers.
- Dispose of excess material in accordance with local regulations.

SHELF LIFE & STORAGE INSTRUCTIONS

- ✚ 18 months from the date of manufacturing when stored in unopened, original sealed & dry condition at a temperature from +5°C to 40°C
- ✚ Store in dry and well-ventilated place away from heat source or direct sunlight.
- ✚ Avoid using partially used material; open drums with partially used material should be kept in a drum with its mouth closed.

PRECAUTIONS

- ☒ Follow the recommended dosage to achieve desired results.
- ☒ Avoid excessive dilution, as it may compromise performance.
- ☒ Reinforcement rods and other sharp materials should not be dragged over the waterproofing membrane to prevent punctures.
- ☒ Ensure the product is applied at temperatures between 10–35°C.

HEALTH & SAFETY INFORMATION

- ★ Refer MSDS for information and advice on the safe handling, storage and disposal of chemical products.
- ★ Use rubber hand gloves & safety goggles, while using product
- ★ Avoid contact with skin/eyes and avoid swallowing. In case of contact with skin, wash with plenty of water.
- ★ Ensure adequate ventilation and avoid inhalation of vapour
- ★ Spillages of wShield SBR 50 can be removed with water. Do not use solvent to clean the contacted area.
- ★ Keep out of reach of children.