



GIC SBR Extra

Multi-Purpose Admixture & Bonding Agent

201909

DESCRIPTION

GIC SBR Extra is styrene-butadiene copolymer latex specifically designed for use in all areas of the building industry where improvements in the physical and mechanical properties of ordinary Portland cement systems are required.

GIC SBR Extra may be used in applications which require the greater strength and flexibility characteristics give by SBR modified mixes in areas which need a significant improvement in the bonding strength to various substrates and where increased water impermeability and higher chemical resistance is required.

USES

- Use as multi-purpose and economical liquid to enhance the ultimate strength
- Use along with sand and cement mortar to improve its mechanical properties
- Used as additive to improve water resistance
- Bonding agent
- Bonding slurry
- Waterproofing
- Render, mortars and floor screeds
- Spatterdash



ADVANTAGES

- Improve strength and flexibility
- Higher bond strengths
- Reduced shrinkage cracking
- Increased abrasion resistance
- Lower w/c ratio and increased durability
- Good general chemical resistance
- Does not contain chlorides
- Non-flammable
- Waterproofing

PHYSICAL & MECHANICAL

PROPERTIES

Property	Typical Results
Appearance	White emulsion
Specific gravity	1.02

Mixing Ratio

	<u>Bonding Slurry</u> <u>Primer</u>	<u>General Purpose</u> <u>Mortar/ Screed</u>	<u>Spatterdash</u>
GIC SBR Extra	1 part	10 litres	1.5 part
Ordinary Portland Cement	2 parts	50kg	6 parts
Sand	N/A	150kg	12 parts
Clean Water	N/A	9 litres	3 part
Coverage	3 to 5 m ² per liter	10 m ² per 10 litres at 10mm thick	18 to 20 m ² per liter

APPLICATION INSTRUCTIONS

Surface preparation: Use a wire brush to ensure all surfaces are clean, sound, and free from loose particles, old mortar, laitance, dirt etc. Use a suitable chemical degreaser to remove any traces of oil and grease and wash down thoroughly with clean water. When laying slabs or screeds to existing concrete, surfaces must be rough. Lightly scale smooth surfaces prior to application of the fresh mix. When repairing damaged concrete, ensure that existing concrete is cut back to sound material.

Bonding slurry: Mixing should always be carried out using a forced action pan type mixer such as a creteangle. Do not hand mix unless a very small quantity is required. Mix 1 part cement with 1 part 'GIC SBR Extra' for 2 to 5 mins to a lump free consistence. Then using a stiff brush apply at a nominal 1mm, working the slurry into the substrate ensuring complete coverage.



Mortar/screed: Mix cement and sand first, then add 'GIC SBR Extra' diluted with water refer to the mixing ratio table). Mix either by hand or with low speed drill for 2 to 5 mins.

Mortar topping should be finished by wood float or steel trowel. Maximum thickness is 40mm for each layer. Care should be taken to prevent rapid drying of 'GIC SBR Extra' mortars by use of polythene or 'TYL-ChemCure agent' curing compounds.

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Spatterdash: Mix cement and sand first, then add 'GIC SBR Extra' diluted with water refer to the mixing ratio table). Mix either by hand or with low speed drill for 2 to 5 mins. Apply it in single coat application on the substrate with a notched trowel

PACKAGING

200 litre and 25 litre drum

HEALTH & SAFETY

GIC SBR Extra does not fall in to the hazard classifications of current regulations. However, it should be swallowed or allowed to come into contact with skin and eyes. Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately do not vomiting.

STORAGE

It has a minimum shelf liter of 12 months provided it is stored under cover, out of direct sunlight.



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