

Ozone SBR

Styrene butadiene copolymer for concrete

Description	Ozone SBR is a ready for use aqueous dispersion of a styrene butadiene copolymer, used as an additive in all cement based materials and used as a bonding agent for cold joints. Used to improve the properties of cement renders, screeds and mortars.						
Uses	<ul style="list-style-type: none">▪ Patching concrete and repairing mortar.▪ Bonding agent for cold joints.▪ Concrete repairs.▪ Thin section screeds especially for bridge decks, highways, parking decks and industrial floors.▪ Corrosion protection of steel and silage pit lining and protection.						
Features / benefits	<ul style="list-style-type: none">▪ Improves the Adhesion of cementing material.▪ Improves workability.▪ Improves the bond strength between the cement particles.▪ Flexural strength improved.▪ Tensile strength increased.▪ Water impermeability reduced.▪ Shrinkage reduced.▪ Non corrosive to steel.▪ Increased abrasion resistance.▪ Increases durability under freeze/thaw effect in bulk concrete.						
Specifications / Compliances	<ul style="list-style-type: none">▪ Ozone SBR meets ASTM C 1059- 86, standard specification for latex agents for bonding fresh to hardened concrete, type II.▪ Ozone SBR is classified by the ACI as a non re-emulsifier able bonding admixture.						
Properties	Appearance White Liquid Solid contents 35-40%						
Packaging	5 Ltr, 10Ltr, 30 Ltr & 200 Ltr drum.						
Storage	Store in a dry and cool place below 35°C. Protect from direct sunlight.						
Shelf Life	1 year in original, unopened packaging.						
Directions for use	<p>Surface preparation for bond coat: The substrate must be free of all oil, grease, existing sealers or other contaminants. All loose material should be removed. The surface should be well soaked with water prior to application of the bonding agent. Do not allow pounded water to remain on substrate.</p> <p>Mixing ratio for bond coat</p> <table><tr><td>Ozone SBR:</td><td>Water:</td><td>Cement</td></tr><tr><td>1</td><td>1</td><td>3</td></tr></table> <p>Mixing: The liquid polymer is poured from the plastic container into a plastic or metal drum having a volume of at least 10 liters, then same ratio of water should be poured in container after that cement content poured gradually in to the liquid. Mixing must be continued until lump free slurry is obtained.</p> <p>Application for bond coat: Apply the slurry with brush or flooded on the surface.</p> <p>Note: bond coat slurry should not be dried before application of concrete, mortar and screeding etc. for further information contact the technical staff of Ozone.</p> <p>As an admixture: Ozone SBR is recommended in construction industry for polymer modified concrete.</p> <p>Dosage: 1 - 10% by weight of cement.</p>	Ozone SBR:	Water:	Cement	1	1	3
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Cleaning & disposal	Tools and application equipment should be cleaned with water. Cured material can only be removed mechanically. Spillages should be absorbed with sand or sawdust and disposed of in accordance with local regulations.						
Precautions/Limitations	Protect from freezing. Not designed for use on its own as bonding agent, Ozone's SBR must be used in a slurry with Portland cement.						

Health & Safety	<p>In case of contact with the skin, wash immediately with soap and water, In case of contact with the eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately, do not induce vomiting. Skin barrier cream, safety goggles and rubber gloves are recommended. Carried out in accordance with local legislation under the guidance of the local waste regulatory authority.</p> <p>WARRANTY: Ozone products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale. Ozone makes no warranties, implied or otherwise, as to the merchantability or fitness for ordinary or particular purposes of its products and excludes the same. If any Ozone product fails to conform with this warranty, Ozone will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made period from the date of the claimed breach. Ozone does not authorize anyone on its behalf to make any written or oral statements which in any way alter Ozone's installation information or instructions in its product literature or on its packaging labels. The user of the Ozone products must test the products for suitability for the intended application and purpose before proceeding with the full application of the products.</p>
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