

## SBR POLYBOND



**PRODUCT CODE:** 3460 - 5 litre pack. 3465 - 25 litre pack.

**DESCRIPTION:** **SBR POLYBOND** is a styrene/butadiene latex. The latex contains approximately 45% by weight of polymer solids in an aqueous base of pH 10.8 all specifically designed for use in cementitious products.

**SPECIFIC USES:** The undiluted material may be used to improve the adhesion of cement renders to their substrates. The liquid may be added to concrete and render mixes in varying proportions in order to produce thin layers, improve water resistance, improve water vapour resistance, increase flexibility, enhance chemical resistance of cementitious products and improve vehicular wear to floor surfaces.

**PACKAGING:** In 5 litre and 25 litre non-returnable plastic containers.

**PREPARATION OF SUBSTRATE:** Anti foam agents: These should be added at the rate of 5ccs/3 litres of materials on site immediately prior to use.

**MIXING:** It is essential that the sand and cement is dry mixed in a horizontal pan mixer. Thereafter **SBR POLYBOND** is added. Mixing should then continue for between 1 and 3 minutes with the addition, if necessary, of a small amount of water according to the moisture content of the aggregates. Excessive mixing is to be avoided as the plasticising action of the polymer and water may cause an 'over wet' mix. If the material is to be laid as a floor, then normal good concrete practice is to be carried out in terms of curing. Rapid drying out and draughts are to be avoided.

**APPLICATION AND EQUIPMENT:** Depends upon specific use. Consult our Technical Department for further information.

**CURE SCHEDULE:** Depends upon specific use. Consult our Technical Department for further information.

**MATERIAL USAGE/ COVERAGE:** See formulations below.

**CURED PROPERTIES:** Varies according to cure, typical examples identified below.

1. <u>12mm Heavy Duty Flooring Topping</u>		2. <u>Sand &amp; Cement Upgraded System</u>	
O.P.C.	50kg	Sharp Sand	150kg
Zone 2 Sand	60kg	O.P.C.	50kg
6mm Granite	60kg	Rotafix <b>SBR</b>	9lt
Rotafix <b>SBR</b>	8lt	Water to Adjust	
Water to adjust			

3. Waterproofing Renders

These will vary dependent upon water pressures. In general, the ratio of 12 litres of Rotafix **SBR POLYBOND** to 50kg of cement may be used as a starting point. In all of the above cases, a primer should be applied to the substrates and this will consist of one part OPC to one part of Rotafix **SBR POLYBOND** mixed well and applied as a creamy consistency. The topping must be added while the primer is still wet.

**CLEANING OF TOOLS:** Uncured **SBR POLYBOND** may be readily removed from tools and equipment with clean water.

**The site conditions and equipment required when using individual Rotafix products are specific for each project. Only advice given by Rotafix in writing will be considered as part of our contractual liability.**

Rotafix aqueous based polymer materials do not normally present a hazard. However, the normal precautions when handling aqueous polymers include the use of gloves and protection to the face and eyes from splashes. In the event that splashing occurs, apply copious amounts of water.

The information in this document is based on practical tests, but given without guarantee inasmuch as methods of use by others is beyond our control. Due to continuing development and improvements, it may be necessary to change without notice the material specification. All goods are sold subject to our Standard Conditions of Sale.

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