

Technical Data Sheet

Date of compilation: 11/08/2021

ARC SBR BOND

DESCRIPTION

ARC SBR BOND is a styrene butadiene co-polymer emulsion for use as a primer, bonding agent and sealer formulated to improve adhesion strength and long-term durability of the bond between the adhesive and any surface substrate.

It is a safe to use and can be applied to a wide range of building materials including applications where contact with water is likely. ARC SBR BOND can be used as a water-proof bonding agent when mixed as a slurry with neat cement and can readily be incorporated into mixes of sand cement screeds, plasters and renders, giving a water reducing and plasticising effect, as well as improving wet-tack and adhesion of the render to the existing base masonry. ARC SBR BOND is an excellent primer for porous surfaces such as gypsum plaster, old / worn concrete; sand cement screeds and render by reducing porosity, surface dusting and improving initial tack so that subsequently applied adhesives, renders or screeds can achieve a secure and lasting key with the base substrate.



SBR BOND AS A PRIMER

Once porous, worn or dusty concrete floors have been thoroughly cleaned of all dust, oil & loose surface matter, ARC SBR BOND diluted as 1 part to 3 parts with water and brushed on as a generous single coat, can seal the surface, reduce suction and inhibit further dusting. One coat is normally sufficient for priming surfaces ready to receive an application of ARC SELF-LEVEL COMPOUND or any ARC TILE ADHESIVE, however very porous surfaces may require two coats or use a 1:1 dilution to effectively reduce porosity and bind the surface. Cracked or friable surfaces should be repaired before laying any top coatings. ARC SBR BOND is effective on gypsum plaster, porous cement render walls, worn concrete, cement sand floor screeds, cement panel-boards and timbers such as chipboards and worn plywood. Plaster walls which have been over-finished to a polished appearance should be slightly roughened with a stiff brush and wiped clear of loose fines before priming.

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SBR BOND AS A SEALER

Timber ply-boards and panels should be clean and free from dust and loose flaking material before being sealed on all exposed faces and edges with neat ARC SBR BOND, then the 1 to 3 parts water dilution brushed across the surface to be tiled.

Adhesive may be applied to the primed surface whilst it is still slightly tacky to touch. Gypsum based materials likely to be tiled over with a cement based adhesive, such Anhydrite floor screeds or Gypsum finishing plasters and must be effectively sealed with 2 coats of neat ARC SBR BOND with each being allowed to dry before proceeding with the next application.

SBR BOND AS A BONDING AGENT

ARC SBR BOND can be used as a bonding agent when over-laying existing masonry with a fresh coat of render, plaster, concrete or screed, or when applying cement based tile adhesives to difficult, non-porous surfaces such as existing vinyl floor tiles and steel decking. Wet down the exposed surface so that it is damp but not holding standing water. ARC SBR BOND can be mixed to a brushable slurry consistency using a mechanical agitator by adding approximately 1 part PRIMER to 1 part neat cement (or 1 part cement based adhesive) to be spread out using a stiff brush, evenly and consistently over the surface. Application of the topping screed or adhesive should proceed before the bonding slurry has completely dried out as surface tackiness will improve the adhesive key. ARC SBR BOND bonding slurry can also be used as a waterproof tanking slurry when applied as a three-coat treatment to prepared masonry.

SBR BOND AS A CEMENT SCREED / MORTAR ADMIXTURE

When repairing concrete floors, steps or applying vertical renders, ARC SBR BOND should be mixed at the minimum rate of 5 litres per 50 kg of Ordinary Portland Cement, or adding up to 15 litres where heavy traffic or loads are expected. Mix designs for repair mortars are ideally 1 part OPC to 3 parts zone 3 washed dried sand. When laying thick-section screeds (25 to 50mm) replace 1 part sand with 1 part 6mm dried coarse aggregate and always add just sufficient water to give the mix the required consistency for ease of application. ARC SBR BOND imparts a strong water-reducing and plasticising effect in concrete and mortar, thus giving improved strength, shrink resistance, long term durability, abrasion resistance and reduced water permeability.

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COVERAGE

The consumption of ARC SBR BOND for any particular application depends heavily upon the texture and porosity of the surface it is applied to and the figures shown below are intended as a rough guide only.

ADMIXTURE	BONDING SLURRY	PRIMER / SEALER
5 to 15 L per 50kg of OPC	3 - 5 m ² /L	Up to 20 m ² /L

STORAGE & PACKAGING

ARC SBR BOND is supplied as a 5 litre bottle and has a storage life of not less than 12 months if stored in dry, un-opened conditions.

HEALTH & SAFETY

Consult the ARC SBR BOND material safety data sheet for advice on handling and safety procedures.

NOTE

All products should be sold in accordance with the manufacturer's instructions. The manufacturer cannot be held responsible where conditions of use are beyond our control. Full information and advice is freely available from our Technical Services Department e-mail technical@arcbuildingproducts.ie. Whilst any information contained herein is to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendations or suggestions made by us, our representatives, agents, or distributors, as the conditions of use and any labour involved are beyond our control. Our warranty is therefore limited to the quality of supplied product.