

MACRENDER® HBS

A highly polymer modified base render for application over non-porous substrata including expanded polystyrene and painted masonry surfaces.

DESCRIPTION

Macrender® HBS is a polymer rich, water resistant, cement based render primarily formulated for application to difficult-to-render surfaces. When applied in accordance with our specifications, Macrender® HBS will provide vastly superior adhesion to that of a traditional style sand and cement render. The use of Macrender® HBS will reduce maintenance costs associated with repairs caused as a result of delamination whilst making it possible to render surfaces not previously achievable.

KEY BENEFITS

- > Factory blended for dependable consistency
- > Superior adhesion for optimum performance over non-porous surfaces
- > Eliminates on-site mixing errors
- > Just add water

PERFORMANCE

Macrender® HBS contains a high level of redispersible polymer (RDP) powder. The level of this RDP addition has been calculated to ensure that under normal conditions, HBS will not delaminate from expanded polystyrene (EPS) panels. The chart below shows the tensile adhesion of Macrender® HBS to an EPS test panel, as compared to that of a leading competitor. Macrender® HBS achieves an average tensile adhesion of 0.15 MPa which is enough to remove the beads from the EPS itself. Accordingly, there can be no greater adhesion result. In comparison, a leading competitor's EPS render is only able to average a 0.04 MPa result. A reading this low results in a clean delamination from the EPS. Macrender® HBS provides peace of mind when rendering over difficult surfaces.

SUITABLE SURFACES

Macrender® HBS can be applied to many commonly used construction materials but is primarily suited to application over difficult-to-render materials including:

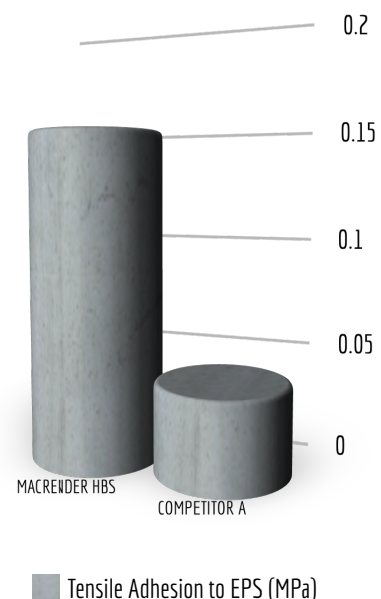
- > Painted brickwork
- > Expanded polystyrene cladding boards (EPS)
- > Precast concrete panels
- > Aerated concrete blocks and panels
- > FC sheet (with expressed joints)

MIX PREPARATION

Add approximately 4 litres of clean water to a suitable mixing vessel and slowly add Macrender® HBS powder whilst stirring. The use of a power stirrer is recommended however manual stirring will suffice. Continue stirring until all lumps have been dispersed. Add water until the desired consistency has been achieved. The final mix should hold a soft peak on the hawk. Mixing the material too wet or stiff will make the material difficult to apply and finish up.

APPLICATION & FINISHING

Prior to the application of Macrender® HBS ensure that the substrate is clean and free of any impurities that may compromise adhesion. Apply the mixture to the substrate at a thickness of 4-6mm (per coat) with a steel float taking care to coat evenly. Allow the freshly applied material to firm up sufficiently prior to finishing with a timber, plastic or



polystyrene float. Macrender® HBS will stiffen significantly faster over porous surfaces. As a rule of thumb, a larger, more rigid float (plastic) will produce better results than a smaller flexible float (polystyrene). Macrender® HBS can be ruled-off if required and must be allowed to cure for a minimum of 5 days prior to over-coating. Areas subject to entrapped moisture such as water-logged brickwork may require a significantly longer drying-out period prior to overcoating.

Macrender® HBS should not be applied in hot or windy conditions and should be protected from rain or running water until hard initial set has been achieved.

WASH UP

Due to the high polymer content, Macrender® HBS should not be allowed to dry on tools as it will prove extremely difficult to remove. Always clean tools with clean water immediately following use.

CURING

Whilst the initial set of Macrender® HBS will occur in a matter of hours, full strength will not be achieved for 28 days from date of application.

SUPPLY & PACKAGING

Macrender® HBS is supplied in 20 kg plastic lined multi-walled paper sacks. Macrender® HBS can also be supplied in pallet lots containing 60 x 20 kg bags.

COVERAGE

20 kg of Macrender® HBS will be sufficient to cover between 4-5 m² at a thickness of 4-6mm. Meterage will vary greatly depending on the application thickness.

SAFETY

Macrender® HBS is non-toxic but contains cement which is alkaline in nature. MAC strongly advises that dust masks to prevent the inhalation of nuisance dust be used during preparation and that skin protection be used during application. Always prepare Macrender® HBS in a well ventilated area. If skin irritation occurs flush immediately with running water. Refer to MSDS for details.

IMPORTANT NOTE:

Melbourne Acrylic Coatings Victoria Pty Ltd, its staff and distributors will not accept responsibility for any failure caused as a result of factors beyond our control including but not limited to onsite handling, preparation or application of this product. Application of this product should only be performed by qualified trades people trained in the use of this type of product. Information supplied in this publication is based on our testing and experience and is given in good faith. Suitability of this product should be independently determined prior to use. Warranty is limited to the replacement of any materials proven to be faulty. MAC will not warrant job defects caused as a result of but not limited to, structural/substrate movement or entrapped moisture.



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