

MACRENDER® HBS

UPDATED 25 Nov 2021

DESCRIPTION Macrender® HBS is a highly polymer modified base render for application to low porosity surfaces including expanded polystyrene and painted masonry surfaces.

COVERAGE Approx. 4-5 m² at a thickness of 3-5 mm



FEATURES & BENEFITS

- > Factory blended consistency
- > Excellent adhesion
- > Just add water, no admixtures
- > Pre-packaged convenience

VOC CONTENT

VOC free calculated on product formulation.

APPLICATION THICKNESS

4 - 8 mm per coat.

PACK SIZE

Macrender® HBS is available in 20 kg paper sacks. Available in 60 x bag pallet lots.

BOND STRENGTH

Excellent

COMPOSITION

Macrender® HBS is composed of HE class Portland cement, redispersible polymer powders, graded aggregates and workability admixtures. The formulation provides optimum performance, durability and ease of application.

SUITABLE SURFACES

Apply Macrender® HBS to low-porosity surfaces with sufficient rigidity. Suitable surfaces include:

- > Clay/concrete bricks/blocks
- > Aerated concrete (Macrender® Coarse FR recommended)
- > Raw expanded polystyrene (EPS) cladding boards (EIFS)
- > Approved pre-coated EPS cladding systems
- > Painted masonry walls

MACRENDER® HBS

UPDATED

25 Nov 2021

SUBSTRATE CONDITION

Macrender® HBS should only be applied over properly prepared substrata.

Surface must be dry and in sound condition free of dirt dust, grime or any other contaminants which may effect product adhesion. All loose, sandy or chalky material must be removed prior to application.

Do not apply Macrender® HBS in ambient conditions below 5C or above 35C.

MIX PREPARATION

Fill a clean 15 litre mixing vessel with approximately 4 litres of clean water and slowly add the Macrender® HBS powder whilst stirring, preferably with a mechanical mixer. Do not add water directly to powder.

Add entire contents of bag and adjust with more water to achieve the desired consistency. Allow to stand for 2 minutes prior to application. One bag of Macrender® HBS will require approximately 4 - 4.5 litres of water.

APPLICATION METHOD

Hawk & trowel or suitable render pumping equipment

APPLICATION

Apply Macrender® HBS to the substrate using a steel float at a thickness of 3-8 mm per coat. Take care to coat evenly. Allow the applied material to firm up sufficiently on the substrate prior to finishing with a large plastic, polystyrene or timber float. Macrender® HBS can be 'ruled-off' if necessary and must be allowed to cure for a minimum of 4 days prior to the application of a paint or textured finish coat system. Areas subject to entrapped moisture will require a substantially longer curing period prior to the application of topcoats. Macrender® HBS should not be applied during extremely hot or windy conditions and should be protected from rain and running water until set.

If reinforcing mesh or tape is to be incorporated as part of an approved coating system, ensure the mesh is embedded into the wet render close to the outer face. Do not press the mesh hard against the surface and do not use self-adhesive mesh or tape applied directly to the substrate prior to rendering.

DRYING TIME

Initial set time of Macrender® HBS will depend significantly depending on surface porosity, ambient temperature and coating thickness. May range between 30 minutes and 10 hours.

The strength of the final coating relates directly to the level of hydration of the cement component. Excessively rapid drying will result in a weaker render. If the initial set has occurred rapidly, MAC recommends that the rendered surface be moistened soon after set and again in the days following

MACRENDER® HBS

UPDATED

25 Nov 2021

application. Curing of the render will significantly improve the strength and durability of the final coating.

Initial cure after 4 days with full cure occurring in 28 days from application.

CLEAN UP & DISPOSAL

Clean tools in clean water immediately after use. Do not dispose of unused Macrender® HBS into drains or waterways. Dispose of rubbish in accordance with local government regulations.

PRECAUTIONS & LIMITATIONS

- > Not to be used as a top coat
- > Do not apply below 5C or above 35C.
- > Do not apply over 8 mm in thickness per coat.
- > Protect from rain and moisture until hard set has been achieved.
- > Do not apply on FC sheet unless forming part of an approved system.

STORAGE & TRANSPORT

- > Keep dry during storage and transportation.
- > Keep pack firmly sealed.
- > Avoid breathing powder and avoid skin and eye contact.
- > Use within 12 months of purchase.

SAFETY

Macrender® HBS is classified hazardous/non-dangerous goods. Macrender® HBS contains cement which is alkaline in nature. Any material coming into contact with eyes or skin should be immediately flushed with clean water. Macrender® HBS may also contain trace quantities of silica present only as an impurity. Eye, skin and breathing protection is recommended during preparation and application of this product.

Macrender® HBS weighs 20 kg. Please handle with care to minimise the risk of personal injury.

Portland cement is classified as a Hazardous Substance, Non-Dangerous Goods according to the criteria of NOHSC.

Risk phrases for Portland cement are:

- > R36/37/38 Irritating to eyes, respiratory system and skin
- > R40 Possible risk of irreversible effects
- > R43 May cause sensitisation by skin contact
- > R48/20 Harmful: danger of serious damage to health by prolonged inhalation

Safety Phrases for Portland cement

- > S22 Do not breathe dust

MACRENDER® HBS

UPDATED

25 Nov 2021

- > S24/25 Avoid contact with skin and eyes
- > S36/37 Wear suitable protective clothing and gloves

SAFETY DATA

Always refer to safety data sheet (SDS) prior to handling and handling and application of Macrender® HBS.

DISCLAIMER

Macrender® HBS is to be used as part of a MAC Coating Specification. 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. MAC will not warrant job defects caused as a result of but not limited to, structural/substrate movement or entrapped moisture. Formulation of coating and renders often requires the use of naturally sourced fillers & aggregates. All care is taken by industry suppliers to remove trace contaminants, however no guarantee/warranty is provided by MAC against spot marks occurring in naturally sourced aggregates provided by third party suppliers.