

COATING SYSTEM SPECIFICATION: MCS-160609-1

KNAUF PERMAROCK

Painted Render & Textured Finish

Materials Required

- > Knauf Permarock® Joint Filler - Grey
- > Knauf Permarock® 100 m wide reinforcing tape (non-adhesive)
- > Aluminium or etch primed/UV stable PVC external angles and trims
- > Macrender® HBS polymer modified base render
- > Alkali resistant fibreglass reinforcing mesh (ARFG)
- > Mactexture acrylic textured finish
- > Satin Flex elastomeric membrane in selected colour - low sheen

Prior To Coating Application

- > Permarock® wall system should be installed as per manufacturers technical documentation.
- > All surfaces must be clean and free from any impurities which may adversely affect the bond strength of renders and applied finishes.

Application Schedule - In Order of Application

PRODUCT	PURPOSE	SPREAD RATE / FILM THICKNESS	NOTES
<i>Knauf Permarock® Joint Filler - Grey</i>	<i>For setting and reinforcement of Permarock® sheet joints</i>	<i>Refer Knauf technical data</i>	<i>Must incorporate Permarock® reinforcing tape as per Knauf installation guide.</i>
<i>Macrender® HBS</i>	<i>Provides adhesion to base panels with embedded ARFG mesh over entire surface. Overlap sheet joints min. 100 mm. This coat provides the key strength of the coating system.</i>	<i>4 mm. Applied with an angled 8 mm notched trowel.</i>	<i>Required as initial render coat to Permarock® surface. Fully embed FG reinforcing mesh into wet render coat during application, overlapping ARFG sheet a minimum 100 mm. Mesh must be positioned near the surface of the render, not pressed hard against the Permarock® base sheets.</i>
<i>Macrender® HBS (second coat)</i>	<i>Provides added thickness and strength to coating system whilst providing the appropriate surface finish for subsequent coats in the system.</i>	<i>Approx. 2-3 mm</i>	<i>Required to cover reinforcing mesh and bring surface to suitable level and finish to textured finish.</i>
<i>Mactexture acrylic textured finish</i>	<i>Provides a decorative textured finish and added durability of the coating system.</i>	<i>Varies greatly depending on selected textured finish. See product specific data for further information.</i>	<i>1 coat.</i>

PRODUCT	PURPOSE	SPREAD RATE / FILM THICKNESS	NOTES
Satin Flex elastomeric membrane	Resists moisture ingress, fading and dirt pick-up. Also provides improved crack-bridging ability.	Approx. 4 m ² / litre per coat	2 coats. Selected colour must have LRV greater than 45%.

Joint Setting & Reinforcement

- > All joints in Permarock® sheet must be reinforced with alkali-resistant fibreglass mesh.
- > The use of self adhesive reinforcing tape for setting joints is not permitted.
- > On external corners, embed a angles into wet Macrender HBS base-coat.
- > For internal corners, refer to Permarock® installation manual recommendations.

Control Joints

- > All control joints must be placed and detailed as per Knauf Permarock® installation manual.
- > Control joints must be appropriately caulked and must not bridged by the reinforced render/coating coating system.

Application of Base Render

- > Clean surface thoroughly, ensuring all contaminants are removed from the surface prior to rendering.
- > First reinforce corners around windows and doors with 500 mm x 300 mm patches of ARFG embedded into wet Macrender® HBS.
- > Apply Macrender® HBS to the panels at a thickness of approximately 4 mm using an angled 8 mm notched trowel.
- > Lightly embed ARFG mesh into wet Macrender® HBS. It is imperative that the FG reinforcing mesh is be positioned nearer the surface than the base.
- > Apply a second thin (approx. 2 mm) coat of Macrender® HBS and float to a true surface ready to accept an acrylic textured finish or painted finish as required.
- > Control and movement joints must be placed and detailed as per installation manual and must not be bridged by the reinforced render. Refer to panel installation manual for caulking details.
- > Allow rendered surface to cure for a minimum of 4 days prior to overcoating.

Textured Coating Application

- > Apply selected acrylic textured finish in either trowel-on or roll-on variant. Refer to product specific technical data sheet for details. Allow to hard dry (minimum 24 hours) prior to application of elastomeric membrane.

Membrane Application

- > Apply two coats of MAC Flex elastomeric membrane (low sheen) in selected colour. Dark colours must be avoided to reduce risk of thermal cracking in the coating system caused by severe heat build-up. Selected colour must have an LRV greater than 45%.

Materials Warranty

When applied in accordance with the above specification, MAC will provide a 7 year materials warranty against peeling and delamination. This warranty does not cover workmanship or product failure caused as a result of hydrostatic pressure, entrapped moisture, structural movement or movement of substrate. See warranty 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 movement, substrate movement or entrapped moisture.

