

COATING SYSTEM SPECIFICATION: MCS-009-12/08

RMAX ORANGE BOARD®

Render & Acrylic Texture



OVERVIEW

RMAX Orange Board is an Australian made and distributed exterior insulation and finishing system (EIFS) which has been independently tested by NATA accredited testing laboratories to meet and exceed relevant Australian Standards for external building insulating cladding products. RMAX Orange Board has been approved and accredited by the Building Regulations Advisory Committee (BRAC) under BRAC Certificate Number V11/01.

BAL 29 COMPLIANT

The RMAX Orange Board system has been tested by an independent NATA laboratory and is deemed to meet the requirements for BAL 29 for use in bushfire prone areas. The accreditation certificate is available for download from the MAC website at www.melbacrylic.com.au/orangeboard

MATERIALS REQUIRED

- > RMAX Orange Board EPS base sheets in either 75 or 100 mm thickness
- > Approved flashing tape for weatherproofing window and door openings.
- > Aluminium starter channels for providing a neat and durable lower edge.
- > Class 3 galvanised screws for fastening sheets. Refer to Orange Board Technical Manual for details.
- > 40 mm plastic washers
- > Polychem adhesive for bonding all sheet edges during installation.
- > RMAX alkali-resistant fibreglass mesh (165 gsm minimum.) for embedding in the first coat of render (must not be self-adhering type and must be embedded close to the render surface).
- > Fibreglass/aluminium angles for application to external corners.
- > RMAX OB Render. Used for both 1st and 2nd render coats.
- > RMAX OB Primer for application to finished rendered surface prior to the application of a decorative finish coat.
- > Mactexture decorative textured finish coat in selected grade and colour.
- > MAC Satin membrane for protective, low maintenance finish coat.

RMAX ORANGE BOARD® EPS CLADDING SYSTEM

- > Install RMAX Orange Board system as per technical documentation. The RMAX Orange Board Technical Manual is available for download at www.orangeboard.com.au or www.macrender.com.au/downloads-links/

TABLE 1.1 COATING APPLICATION SCHEDULE - IN ORDER OF APPLICATION

PRODUCT	PURPOSE	SPREAD RATE / FILM THICKNESS	NOTES	WARRANTY
RMAX OrangeBoard EPS Cladding System	Appraised lightweight EPS cladding system for exterior use.		Install as per RMAX OrangeBoard Technical manual www.orangeboard.com.au	7 YEAR WARRANTY PROVIDED BY RMAX
RMAX OB Render with embedded ARFG reinforcing mesh	Provides adhesion to base panels and encases reinforcing mesh. This coat, fully reinforced with ARFG mesh, provides the key strength of the coating system.	4 mm	Required all systems. Includes embedded FG mesh, external angles and all reinforcing strips. <u>Mesh must be installed close to the render surface, not touching the Orange Board.</u>	
RMAX OB Render	Provides added thickness and strength to coating system whilst providing the appropriate surface finish for subsequent coats in the system.	4 mm. Total thickness for both render coats min 8 mm in total.	Required all systems. No reinforcing in this coat. Finish quality to be appropriate for selected system from this point on.	
RMAX OB Primer	To provide a sound, weather resistant base and alkalinity barrier for application of texture/paint finish.	Approx. 5 m ² / litre	Can be thinned 20% with clean water immediately prior to application. Stir thoroughly before use.	
Mactexture acrylic textured finish	Provides a decorative textured finish and added durability of the coating system.	Varies greatly depending on selected textured finish. See product specific data for further information.	1 coat. Optional if surface finish is approved for painting by client.	7 YEAR WARRANTY PROVIDED BY MAC
MAC Satin 100% acrylic membrane	Improved resistance to moisture ingress, fading and dirt pick-up. Also provides a degree of crack-bridging ability.	Approx. 4 m ² / litre.	2 coats required. Selected colour must have an LRV greater than 45%	

Prior to Rendering

ORANGE BOARD SYSTEM INSTALLATION

- > Install Orange Board system as per technical documentation. The Orange Board Technical Manual is available for download at www.orangeboard.com.au
- > All abutting sheet joints must be fully glued with liquid or foam polyurethane construction sealant/adhesive.
- > Flashing tape applied from joinery to building wrap on wall studs as per Orange Board requirements.

PREPARATION FOR RENDER APPLICATION

- > After sheet installation, ensure all washer heads are fastened flush with the surface of the Orange Board base sheets.
- > The Orange Board panels must be clean and free from any impurities which may adversely affect the bond strength of the acrylic textured coating system.
- > Remove any loose, chalky or flakey material by brushing as required.

Render & Coating Application

RENDER COAT APPLICATION

- > Apply OB Render to the RMAX Orange Board sheet with a 6mm notched trowel. Overlay with fibreglass mesh and work lightly into the wet render. Ensure mesh is sitting near the render surface, not close to the Orange Board surface. Overlap fibreglass mesh junctures in accordance with RMAX technical specifications (nominally 100 mm). Ensure render surface finish is suitable for the application of a second coat of render.
- > Corners at openings including window and door frames must be diagonally reinforced with 400 mm x 200 mm fibreglass bandages embedded in the first OB Render coat. This is in addition to the full fibre glass mesh embedded in the first render coat.
- > Apply a second coat of OB Render ensuring the minimum render thickness has been achieved.
- > Control and movement joints must be placed as per RMAX Orange Board Technical Manual or engineers recommendation and must not be bridged by the render or texture coating system.
- > Allow rendered surface to cure for a minimum of 4 days prior to priming with a single coat of OB Primer. Allow OB Primer to completely dry to a non-tacky finish prior to application of finish coats.

FINISH COAT APPLICATION

- > Apply selected trowel-on or roll-on textured finish in chosen colour as per product specific product data sheet. Allow to dry for a minimum 24 hours prior to painting.
- > Apply two coats of MAC Satin 100% acrylic membrane (low sheen or matt) in selected colour. *Dark colours must be avoided to reduce risk of thermal cracking and degradation in the coating system caused by severe heat build-up. Selected colour must have an LRV greater than 45%.*

MATERIALS WARRANTY

- > The Orange Board system comprising the Orange Board EPS cladding sheets, the Orange Board Render and Orange Board Primer is covered by RMAX under the Orange Board system warranty. Contact RMAX for further details or visit www.orangeboard.com.au
- > When applied in accordance with the above specification, MAC warrants the coating system (textured finish and membrane) for a period of seven (7) years against peeling and delamination. This warranty does not cover workmanship or product failure caused as a result of, but not limited to, hydrostatic pressure, entrapped moisture or structural stresses and movement. 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/substrate movement or entrapped moisture.

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