ARCHITECTURAL ‘CAP-LESS’ SOLUTIONS
FOR PARAPET WALLS & BALCONY HEADS
SKYLINE OVER MASTERWALL SYSTEM.

SKYLINE MEMBRANE:
Advanced waterproof membrane to be applied as per Skyline System Specification.

FIBREGLASS REINFORCING MESH:
Embedded in first layer of polymer render.

POLYSTYRENE H-GRADE WEDGE:
(Refer to MasterWall K-Series System Installation and Construction Detail manual for BAL40 detail).

MASTERWALL BREATHER WRAP:
A superior translucent breather frame wrap which provides high performance vapor permeability.

NOTE:
For Box Gutter detail, return down with F/C sheet (Refer to Construction Detail in Skyline Brochure).

MESHED & PRIMED MASTERWALL PANELS:
Thicknesses: 50/75/100/125mm R 1.8/2.5/3.2/3.9. *
* Includes R 0.5 allowance for 90mm frame, 10mm plasterboard.

Suitable for BAL 29 - see MasterWall Specifications.

FIXINGS:
75mm fixing and 40mm button set

ALLOY EXTERNAL CORNERS:
With integrated mesh returns.

RENDER PROCESS
SYSTEM SPECIFICATION

SKYLINE

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INTRODUCTION

Description
The Skyline membrane may be installed over substrates that have a smooth surface for a strong bond, such as polystyrene, fibre cement, plywood, MasterWall panel, smooth render, concrete or smooth masonry. The Skyline membrane will adhere to rough surfaces when parged with Skyline compatible adhesive (consult MasterWall Australia). Adhesion test may be required.

Polystyrene Wedge
H Grade polystyrene wedges are recommended to parapet designs and should have a fall of 7° minimum back into the box gutter to avoid water run off the front edge of the building. Wedges should be screwed to parapet frame at 300mm centres using MasterWall fixings with 40mm red washers. Mitre all external/internal corners and tightly butt all joints together, no adhesive is required to wedge joints. Apply MasterWall Joint Foam between wedge/ MasterWall panel junction to seal joint on vertical face.

Fibre Cement (F/C)
When using F/C sheet as a surface for Skyline to bond to, a minimum of 4.5mm thick material should be used, such as with the drop down component into a box gutter on a parapet. Use only 6mm F/C sheet or greater on all horizontal surfaces such as balcony balustrades or cavity brick parapet when used as a cap. Use ‘cement tile adhesive’ to bond F/C to brick or masonry substrates.

Brick / Masonry
Bonding Skyline membrane to rough brick will require parging with a Skyline compatible adhesive or alternatively the surface can be coated with a smooth render finish which Skyline membrane will bond to as with brick veneer. A test patch should be performed to ensure good adhesion will result. Note: any smooth render should be dry prior to applying Skyline. Cavity brick will require a 6mm minimum F/C cap bonded with tile adhesive, and brick veneer a polystyrene cap to the rear (See details on page 13).

Detail Tape
Skyline compatible detail tape is to be applied to all ‘3 surface junctions’ to ensure complete water-tightness is achieved at the point of junction. (See detail on page 17 Detail tape should be 50x50mm square and pressed firmly onto all adjacent surface planes at the junction point. Avoid touching raw detail tape with hands, by using plastic film backing once removed from tape. (See Skyline installation video for correct technique)

Layout
Skyline membrane is to terminate minimum of 35mm onto all vertical surfaces to form a ‘cap’ for water runoff. All joins in the membrane shall overlap 75mm minimum. Vertical returns onto MasterWall cladding to be rendered shall be 75mm. Vertical returns behind alternative cladding shall be 100mm.

Cutting
Use sharp clean knife only to cut Skyline membrane.

Health and Safety
Skyline membrane poses no issues when coming in contact with skin; however avoid contact with eyes. Dispose all waste off cut material according local refuse regulations.

Method
Ensure all substrates are clean of dirt & dust and free of organic matter and solvents. Peel paper from back of Skyline membrane, smoothing out over applied area while working from one direction to ensure no air pockets exist. Apply strong pressure either by hand or roller to activate the adhesive bond of the butyl to the substrate.
Joint Tape
Lap all membrane joins by 75mm minimum. Apply Skyline compatible adhesive to area to be bonded only, by laying two beads of adhesive, and smearing over entire bonded area with a scraper to a thin film of around 1mm. (See Skyline installation video for correct technique) None of the polyester fibre should be visible once adhesive is spread. Press top layer of Skyline onto the adhesive and apply hand pressure to firmly bond. (Note: avoid spreading adhesive on exposed face of Skyline that is to be rendered)

Adhesive Parging
To parge Skyline to substrate, apply 8mm beads of adhesive to substrate 40mm apart, and smear over entire bonded area with a scraper to a thin film of around 1mm. None of the substrate should be visible. Press Skyline onto the adhesive and apply hand pressure to firmly bond. (Note: avoid spreading adhesive on exposed face of Skyline that is to be rendered)

Penetrations
Ensure that no nails/screws or other fixings penetrate through the final Skyline membrane as it is a total waterproofing solution. This would void all warranties.

Warranty - 7 Years
MasterWall Australia Pty Ltd warrants that its products are free from defects in materials and workmanship for a period of 7 years from the date of purchase. For a full description of the Warranty refer to the MasterWall Australia website (http://www.masterwall.com.au).

Render
A minimum thickness of 5mm polymer modified render should be applied in two coats over entire Skyline system. A single layer of alkali resistant mesh (145–160 g/m2) must be embedded into the first coat of render.

Render trims should be pre-meshed alloy and should be either glued or embedded into first coat of render. Do not fix with nails or any fixing methods that entail the piercing of the Skyline membrane.

A texture finish to the coating manufacturer’s specification may be applied. It is highly recommended that in a parapet design the render system be over coated with an acrylic membrane for added protection and long term durability of the system.
These details are indicative for the purpose of illustrating the typical installation of Skyline system. The system is to be installed strictly in accordance with the specifications detailed in the forward section of this manual. Substrate construction to be in accordance with the Building Regulations & Statutory Requirements.

SKYLINE SYSTEM / MASTERWALL® PANEL:
RENDERED PARAPET WALL
SUITABLE FOR BAL 12.5, 19 & 29. FOR BAL 40 SEE PAGES 10 & 11.
SKYLINE SYSTEM / MASTERWALL® PANEL:
RENDERED PARAPET WALL (CLOSE UP DETAIL)
SUITABLE FOR BAL 12.5, 19 & 29. FOR BAL 40 SEE PAGES 10 & 11.

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SKYLINE SYSTEM / Kooltherm® PANEL:
RENDERED PARAPET WALL
SUITABLE FOR BAL 12.5, 19 & 29. FOR BAL 40 SEE PAGES 10 & 11.
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SKYLINE SYSTEM / Kooltherm® PANEL:
BAL 40 RENDERED PARAPET WALL (CLOSE UP)
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**SKYLINE / DOUBLE BRICK: DOUBLE BRICK PARAPET WITHOUT SLOPE**

- Minimum 6mm F/C sheet or compressed sheet - bonded to brickwork with tile adhesive
- Tile adhesive
- Skyline membrane (to be applied as per Skyline System Specification)
- Skyline parged to brick with Skyline approved adhesive
- Minimum 5mm approved mesh reinforced polymer modified render system
- Fibreglass reinforcing mesh

**Render Note:**
Render system is to be polymer modified render, fully fibreglass mesh reinforced with alkali resistant render mesh, completed with desired texture finish. It is recommended that a durable roll-on membrane / paint be applied to keep the surface clean.

**SKYLINE / DOUBLE BRICK: DOUBLE BRICK PARAPET WITH SLOPE**

- Minimum 6mm F/C sheet or compressed sheet - bonded to brickwork with tile adhesive
- Tile adhesive
- Skyline membrane (to be applied as per Skyline System Specification)
- Skyline parged to brick with Skyline approved adhesive
- Minimum 5mm approved mesh reinforced polymer modified render system
- Fibreglass reinforcing mesh

**Render Note:**
Render system is to be polymer modified render, fully fibreglass mesh reinforced with alkali resistant render mesh, completed with desired texture finish. It is recommended that a durable roll-on membrane / paint be applied to keep the surface clean.
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SKYLINE:
MASONRY WALL CONTROL JOINT
ELEVATION VIEW (FRONT)
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SKYLINE SYSTEM:
CONCEALED FLASHING DETAIL
WATERPROOF LEDGE OR SIMILAR

Note:
Do not pierce Skyline membrane with mechanical fasteners through the horizontal plane.

Render note:
Render system is to be polymer modified render, fully fibreglass mesh reinforced with alkali resistant render mesh, completed with desired texture finish. It is recommended that a durable roll-on membrane / paint be applied to keep the surface clean.
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## SYSTEM CHECKLIST:

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<th>SIZES</th>
<th>COVERAGE</th>
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<td>Waterproof Renderable Membrane</td>
<td>Width by request</td>
<td>Job specification</td>
</tr>
<tr>
<td>MasterWall Panel</td>
<td>Precoated Polystyrene Panel (ready to render)</td>
<td>50mm, 75mm, 100mm &amp; 125mm</td>
<td>1.2m x 2.4m (2.88m²)</td>
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<tr>
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<td>Screw Button Sets 100 p/box</td>
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<td>300 Centres</td>
</tr>
<tr>
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<td>Vapour Permeable Sarking</td>
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<td>82m² per roll</td>
</tr>
<tr>
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<td>25m roll</td>
</tr>
<tr>
<td>Premium Quality Modified Liquid Sealant / Adhesive</td>
<td>Premium Quality Modified Liquid Sealant</td>
<td>600ml sausage</td>
<td>2 per roll of flashing tape</td>
</tr>
<tr>
<td>Expandable Elastic Foam</td>
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<td>700ml can</td>
<td>65m² of MasterWall Panel</td>
</tr>
<tr>
<td>Ableflex</td>
<td>Foam strip for rebated slab detail &amp; expansion joints</td>
<td>75mm width</td>
<td>25m roll</td>
</tr>
</tbody>
</table>

## NOTES:

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MasterWall Australia supports all of its products with a comprehensive Technical Advisory Service for specifiers, stockists and contractors.

Phone MasterWall with your project specifications.

**Phone:** (03) 9799 6565

For national technical advice and local applicators contact MasterWall.

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**YOUR LOCAL ACCREDITED INSTALLER / DISTRIBUTOR:**

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MasterWall Australia offers a unique range of modern insulating wall and floor construction solutions for residential & commercial projects. www.masterwall.com.au