



Want a better
than zero
carbon
footprint?

Have
ours.

Fire Resistant Properties of Weathertex

BAL RATING AS 3959	HEAT AND SMOKE RELEASE AS/NZS 3837	EARLY FIRE HAZARD INDICES AS 1530 PART 3	
Weathertex meets up to and including BAL 19 requirements	<ul style="list-style-type: none"> • Average Specific Extinction Area of 63m²/kg • Weathertex is a Group 3 material 	• Ignitability Index	14
		• Spread of Flame Index	7
		• Heat Evolved Index	6
		• <i>Smoke Developed Index</i>	4

Fire Rated Wall Systems - Fire Resistance Level (FRL)

Weathertex cladding can achieve fire ratings of 60/60/60 and 90/90/90 when constructed with additional fire rated linings. Weathertex can be conveniently installed over a wide range of fire rated wall systems detailed by the relevant system manufacturer such as CSR Gyprock and Boral.

Advice of the system manufacturer should be sought on the appropriate system for your project.

All walls must be designed for the applied loads. For loadbearing walls and walls subject to wind pressures, walls shall be designed to the appropriate Australian Standards or construction manuals. Designers should consider Axial Capacity Reduction (ACR) from

charring or loss of steel strength due to heat. Guidance on structural design can be sought from the relevant FRL system manufacturer.

Standard installation requirements in this installation guide apply to the installation of the Weathertex external cladding component. Fastener lengths must be increased by the thickness of all packing materials used between the frame and Weathertex.



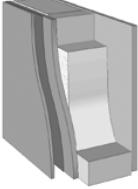

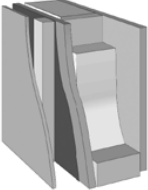
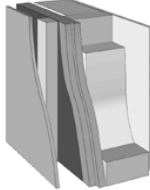
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timber made perfect,
naturally

Typical FRL Systems

Note: Timber studs at maximum 600mm centres

Direct Fix - 60/60/60* *ACR Group 1	Direct Fix - 60/60/60 and 90/90/90* *ACR Group 3
	
<p>External Wall Side</p> <ul style="list-style-type: none"> ▪ Weathertex 9.5mm Cladding direct fix ▪ Vapour Permeable Membrane ▪ 1 layer of 16mm Gyprock Fyrchek MR Plasterboard <p>Internal Wall Side</p> <ul style="list-style-type: none"> ▪ 1 layer of 16mm Gyprock Fyrchek Plasterboard <p>Approximate* Thermal Rating (R-value) $R_{(winter)} = 2.5$ and $R_{(summer)} = 2.3$ *using 75 Soundscreen™ 2.0 infill</p> <p>Approximate* Acoustic Value (R_w) $R_w = 45$ *using 75 Soundscreen™ 2.0 infill</p>	<p>External Wall Side</p> <ul style="list-style-type: none"> ▪ Weathertex 9.5mm Cladding on Weathertex cavity battens ▪ Vapour Permeable Membrane ▪ 1 layer of 16mm Gyprock Fyrchek MR Plasterboard <p>Internal Wall Side</p> <ul style="list-style-type: none"> ▪ 1 layer of 6mm CSR CominSeal™ Wallboard ▪ 1 layer of 16mm Gyprock Fyrchek Plasterboard <p>Approximate* Thermal Rating (R-value) $R_{(winter)} = 2.5$ and $R_{(summer)} = 2.3$ *using 75 Soundscreen™ 2.0</p> <p>Approximate* Acoustic Value (R_w) $R_w = 50$ *using 75 Soundscreen™ 2.0</p>
Cavity Fix - 60/60/60	Cavity Fix - 90/90/90 (from outside only)
	
<p>External Wall Side</p> <ul style="list-style-type: none"> ▪ Weathertex 9.5mm Cladding on cavity battens ▪ Vapour Permeable Membrane ▪ 1 layer of 16mm Gyprock Fyrchek MR Plasterboard <p>Internal Wall Side</p> <ul style="list-style-type: none"> ▪ 1 layer of 16mm Gyprock Fyrchek Plasterboard <p>Approximate* Thermal Rating (R-value) $R_{(winter)} = 3.0$ and $R_{(summer)} = 2.8$ *using 75 Soundscreen™ 2.0</p> <p>Approximate* Acoustic Value (R_w) $R_w = 42$ *using 75 Soundscreen™ 2.0</p>	<p>External Wall Side</p> <ul style="list-style-type: none"> ▪ Weathertex 9.5mm Cladding on cavity battens ▪ Vapour Permeable Membrane ▪ 2 layers of 13mm Gyprock Fyrchek MR Plasterboard <p>Internal Wall Side</p> <ul style="list-style-type: none"> ▪ 1 layer of 10mm Gyprock Plasterboard CD <p>Approximate* Thermal Rating (R-value) $R_{(winter)} = 2.9$ and $R_{(summer)} = 2.7$ *using 75 Soundscreen™ 2.0</p> <p>Approximate* Acoustic Value (R_w) $R_w = 42$ *using 75 Soundscreen™ 2.0</p>

Note: The timber framed and steel framed FRL systems in this guide are indicative of typical systems provided by CSR Gyprock. Application must be in accordance with the system manufacturer's installation requirements and instructions.