



Ashgrid Over-Roofing Spacer System

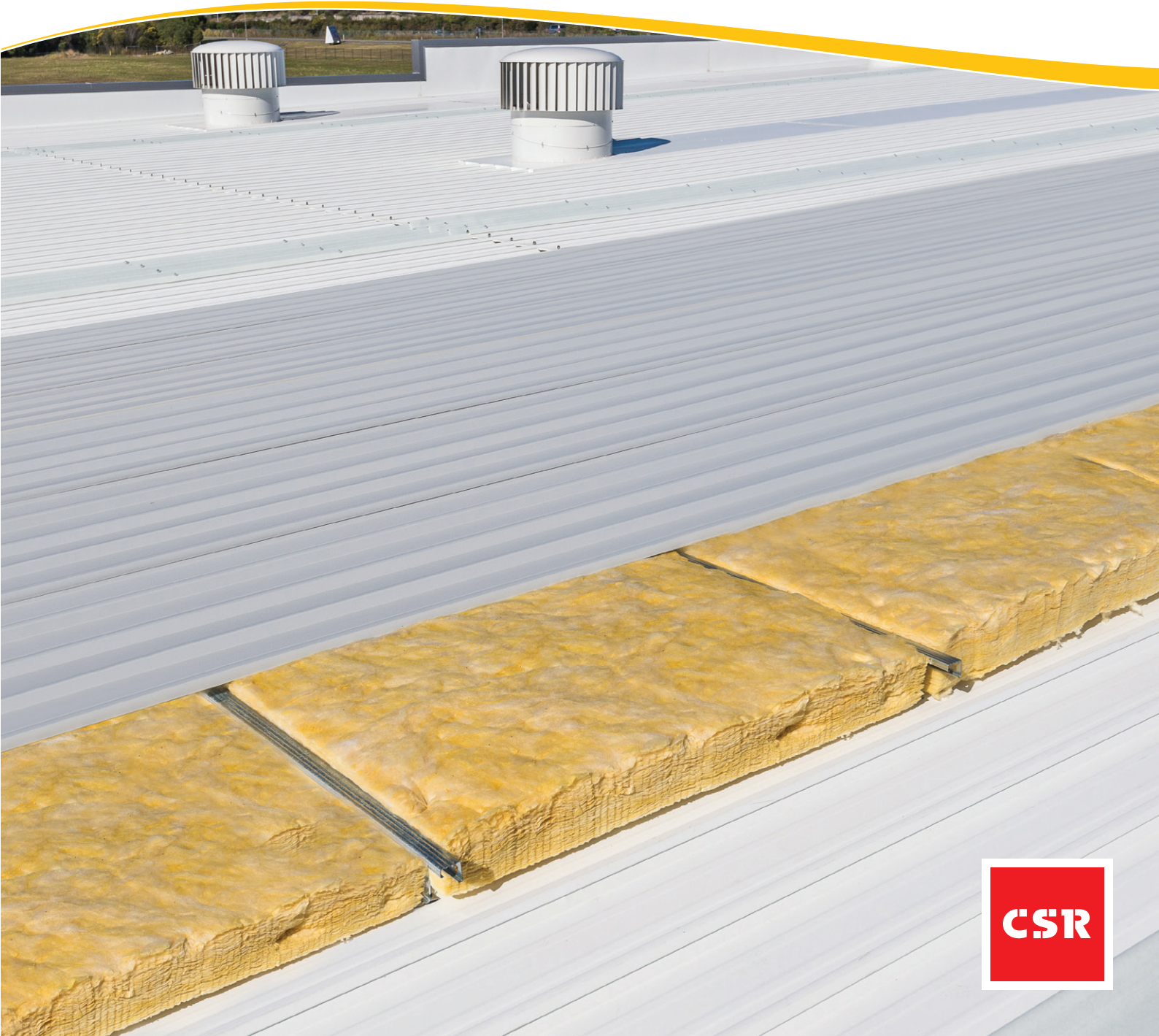
THE ENVIRONMENTALLY FRIENDLY & ENERGY EFFICIENT
ALTERNATIVE TO REMOVAL AND DISPOSAL

Specifications

	PART	BRACKET	BAR AND BRACKET	TO SUIT	BAR	METRES OF BAR	BAR	CARTON SIZE	CARTON
	Number	Height	Configuration	Anticon Blanket	Qty	Pack (lm)	Weight (kg)	W x D x L (mm)	Weight (kg)
Non-Cyclonic	130329	150mm	2 brackets per 1200mm bar	Building bkt 175	12	14.4	1.7	268 x 201 x 1250	21.3
	124862	120mm	2 brackets per 1200mm bar	130	12	14.4	1.5	268 x 160 x 1250	17.9
	124863	110mm	2 brackets per 1200mm bar	110	12	14.4	1.5	268 x 160 x 1250	17.7
	124864	80mm	2 brackets per 1200mm bar	80/100/100HP	12	14.4	1.4	268 x 130 x 1250	17.2
	124865	60mm	2 brackets per 1200mm bar	60	12	14.4	1.4	268 x 130 x 1250	17.0
Cyclonic	130330	150mm	4 brackets per 1200mm bar	Building bkt 175	12	14.4	1.8	268 x 201 x 1250	22.1
	124866	120mm	4 brackets per 1200mm bar	130	12	14.4	1.6	268 x 160 x 1250	20.0
	124867	110mm	4 brackets per 1200mm bar	110	12	14.4	1.6	268 x 160 x 1250	19.6
	124868	80mm	4 brackets per 1200mm bar	80/100/100HP	12	14.4	1.5	268 x 130 x 1250	18.5
	124869	60mm	4 brackets per 1200mm bar	60	12	14.4	1.5	268 x 130 x 1250	18.0

Cyclonic tested at the NATA approved James Cook University Wind Cyclone Testing Station using a Low High Low test regime.

For more information call **1300 850 305** or visit **www.bradfordinsulation.com.au**



Over-Roofing with Spacers

At some point as a building owner, a construction professional or a contractor you will be faced with a roof that is presenting water ingress problems and is required to comply with the latest Energy Efficiency Standards, whether that be due to additions or simply because it requires a facelift for aesthetic reasons. Over-roofing can be an environmentally friendly and energy efficient alternative to removal and disposal.

WHAT ARE THE BENEFITS OF OVER-ROOFING?

- Minimises building occupants risk and disruption of trade**
Leaving the existing roof covering in-situ allows the occupants of the building to continue with their 'day to day' business operations without costly disruptions to trade. Consequential damage due to inclement weather and falling debris usually associated with conventional re-roofing are eliminated when over-roofing.
- Labour and time savings**
Leaving the existing roof covering in place eliminates the removal phase. This in turn reduces the duration of the project which contributes to significant financial savings.
- Improved health and safety**
The existing steel roof sheets remain in position providing the contractor with a platform to work off. This significantly simplifies the fall protection plan required.
- Energy efficiency**
Over-roofing with the Ashgrid Spacer System creates an engineered, structurally defined cavity between the old and new roof coverings. When insulated this cavity dramatically improves the overall energy efficiency of the entire building. With increasing energy costs in Australia, energy consumption has become a big concern for most property owners and tenants.

- Significant financial savings are possible over the life cycle of the new roof covering when insulated appropriately.
- Acoustic performance**
Creation of an insulated cavity dramatically improves the acoustic performance of a roof. Acoustic performance is imperative when a conducive environment is required in places of learning, libraries, broadcasting facilities, court houses etc.

Over-Roofing Application

The Ashgrid System is compatible with all forms of pierced and concealed fixed roof sheets and is specifically designed to evenly distribute the loads directly into the existing roof structure. CSR Bradford would always recommend that any new system such as Ashgrid should be fixed to structural members and not to another existing secondary system.

Brackets should be installed as per standard procedures, and dependant on the condition of the existing roofing materials a vapour control layer and breather membrane may be required. Consideration should also be given to existing fascia and gutters details. Care should always be taken when working with old or deteriorated materials, existing sheeting can be brittle and all precautions should be taken to ensure a safe working platform.

Please note that this is a guide and CSR Bradford recommends that you work closely with your building surveyor/private certifier, structural engineering consultant and insurance provider early in the design phase of your alteration/additions to ensure compliance where appropriate to your specific building type and project requirements. For more information and project specific advice, please contact CSR Bradford early in the design process.

INSTALLATION OF THE ASHGRID OVER-ROOFING SYSTEM

Existing steel roof sheets are left in position, eliminating the labour intensive task of removal and providing an excellent platform to work off and improving site safety. The existing steel roof sheets also provide a suitable substrate to carry insulation material that is installed.

1

3

Insulation is installed to the newly created cavity based on the required thermal, acoustic and fire performance requirements of the specific project.

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The new outer roof covering is installed directly to the bars of the Ashgrid system. The Ashgrid system is compatible with all forms of pierced and concealed fixed profiled sheets and is engineered to evenly distribute the loads into the existing roof structure.

2

The innovative Ashgrid System is installed in the troughs of the existing steel profiled roof sheets with the brackets fixed directly to the underlying steel or timber purlins. The Ashgrid brackets are available in a range of sizes to create a cavity for the installation of insulation to achieve the required R-Value.

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Existing roof cladding can act as a vapour control layer. For high risk condensation zones, an additional breather membrane is recommended to ensure a vapour control layer. For more information and project specific advice, please contact CSR Bradford early in the design process.

*All joins and penetrations are recommended to be lapped & taped.