



## AshGrid™ Spacer System

Galvanised Steel: Effective commercial and industrial roofing spacer system





The **AshGrid™ Spacer System** is manufactured from high quality galvanized steel with a SafeLoc bar and bracket that provides enhanced structural performance and protects the bulk insulation from compression.

## TECHNICAL DATA SHEET



### ENERGY SAVING

#### DESCRIPTION

The **AshGrid™ Spacer System** is a non-combustible metal spacer system that protects insulation from compression, maintaining full thermal resistance without the risk of fire. The spacer system is designed for use in new and existing buildings.

When used with Isover bulk insulation, the **AshGrid™ Spacer System** maximizes the performance of the insulation roll by protecting it from compression.

#### QUALITY MANAGEMENT SYSTEM

Manufactured according to ISO 9001:2015.

#### ENVIRONMENTAL SUSTAINABILITY

Manufactured according to ISO 14001:2015.

#### FEATURES & BENEFITS

- Energy saving
- Accommodates any insulation thickness required by the current SANS 10400-XA Energy Efficiency Legislation
- Safe-Loc™ spigots – fast, secure and safe bar joints
- Allows continuous load transfer throughout the bar run
- High performance brackets with deeper ribs for improved structural performance
- Brackets include an EPDM base pad to eliminate thermal breaks
- Quick, easy and safe insertion of brackets from the side or from the bar ends
- Brackets can be easily repositioned if required.



### NON-COMBUSTIBLE



### THERMAL INSULATION



### EASY TO INSTALL

## FIRE PROPERTIES

- Non-combustible
- Class A1 to SANS 53501 (EN 13501).

## THERMAL PROPERTIES

Protects from compression of insulation thus ensuring optimal performance to deliver indoor thermal comfort and energy savings.

## APPLICATIONS

### Industrial roof installation:

- Over purlin installation (new buildings)
- Over existing roof sheet installation (retrofit buildings)

## DURABILITY

- Inert and fully compatible with all standard building materials and components
- Rigid and will not promote instability of roofing system.

## HANDLING & STORAGE

Store product under cover and in dry conditions. Store flat. Handle with care, can be damaged if subject to sharp or heavy impact. Do not apply excessive pressure, for example, by standing or sitting on the product, as permanent damage may be caused.

### PHYSICAL PROPERTIES

Product Name	Length (mm)	Width (mm)	Height (mm)
AshGrid™ Bar	1800	40	40
AshGrid™ Bar	2400	40	40

### PHYSICAL PROPERTIES

Product Name	Height (mm)	Thickness (mm)
AshGrid™ Bracket	85	1.6
AshGrid™ Bracket	90	1.6
AshGrid™ Bracket	110	1.6
AshGrid™ Bracket	135	1.6
AshGrid™ Bracket	160	1.6

## TOOLS NEEDED FOR INSTALLATION

50 mm Class 3 carbon steel self drillers.

## INSTALLATION INSTRUCTIONS

### For Retrofit Installations:

1. Install AshGrid™ brackets at 600/900 mm centres, at the troughs of the roof sheets, parallel to the purlins below the existing roof sheets.
2. Securely clip on the AshGrid™ bars on to the AshGrid™ brackets, parallel to the purlins below the existing roof sheets.
3. Unroll the unfaced Glasswool insulation parallel to the installed AshGrid™ bars.
4. Install new roof sheets on top on the AshGrid™ Spacer system, with mechanical fixings on the AshGrid™ bars.

## ARCHITECTURAL SPECIFICATION

### For Retrofit Installations:

Install Ash & Lacy's AshGrid™ spacer system comprising of 1.25mm thick high yield galvanized steel Z275NA-C (1800/2400) mm bars, with Safeloc™ spigot ends fully engaged, in full continuous lengths parallel to purlins beneath and supported by 1.6mm thick Z275 FEPO2G galvanized steel AshGrid™ brackets (85/90/110/135/160) mm high at (600/900) mm centres including 3 mm EPDM thermal insulator pad and fixed to steel purlins with 2 No. 50 mm Class 3 carbon steel selfdrillers, all erected as per the manufacturer's instructions and to the engineer's approval.



Learn more about  
MBI New Build installations



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