

METAL SOLUTIONS LIMITED

# Hard Metal Board

WARM ROOF SUBSTRATE FOR METAL ROOFING



- For standing seam and fully supported metal roofing
- Compatible with all types of metal

# Hard Metal Board

WARM ROOF SUBSTRATE FOR METAL ROOFING

## Description:

Hard Metal Board is a high performance rigid polyisocyanurate insulation board. It is faced on the upper side with an 18mm OSB3 sheet and on the rear with a gas tight multi-layer aluminium facing.

## Technical features (Foam) :

- **Thermal conductivity (EN 12667):**  
0.024 W/mK
- **Mechanical performance (EN 826):**  
Compression strength with 10% deformation  
min. 150 kPa
- **Tensile strength perpendicular to surface (EN 1607):**  
Min. 80 kPa
- **Fire behaviour (EN 13501-1):**  
Euroclass F
- **Dimensional stability (EN 1604):**  
48-hours humidity test: 70°C. 95% RH  
DS(TH)8
- **Water vapour diffusion resistance factor (EN 12086):**  
Installed value of 100 MNs/g
- **Edge details:**  
Tongue & groove edge profile

## Dimensions:

Thickness (mm)	Length (mm)	Width (mm)
68	1160	1160
88		
98		
108		
118		
128		
138		
148		
158		
168		

## Applications:

For use in hard metal roofing applications

## Environmental & Quality standards:

BS EN 13165:2012+A2:2016

## Technical Features (OSB3):

OSB3 is a structural board that is designed for use in humid conditions and is ideal for roofing applications.

Manufactured in accordance with EN300: Oriented Strand Boards and CE labelled with the harmonised standard EN13986

FSC (Forest Stewardship Council) chain of custody certification

BBA Certified

Reaction to Fire: BS496-7 Class 3

Thermal Conductivity EN13986: 0.13 W/mK

