

## ACCEPTED ROOFING INSULATION & COVERBOARDS

### Insulation

1. Each listed insulation manufacturer has confirmed third party product certification by an accredited independent testing agency, in accordance with ARCA's insulation acceptance criteria.
2. The design authority shall obtain long term thermal resistance (LTTR) values from the insulation manufacturer and shall specify primary insulation by thickness.

### Isocyanurate Roof Insulation

CAN/ULC S704

*Atlas Roofing Corporation*  
AC FOAM II & III

*Carlisle*  
INSULBASE  
SECURSHIELD

*Firestone Building Products Canada*  
ISO 95+  
RESISTA POLYISO

*Hunter Panels LLC*  
H-SHIELD  
H-SHIELD CG

*IKO Industries Ltd.*  
IKOTHERM  
IKOTHERM III

*Polyglass*  
Polytherm  
Polytherm G

*Sika/Sarnafil*  
Sarnatherm

*Siplast*  
Paratherm  
Paratherm CG

*Soprema Inc.*  
Sopra-ISO (e)  
Sopra-ISO (s)  
Sopra-ISO (r)  
Sopra-ISO  
Sopra-ISO Plus

*Tremco*  
Trisotech

**Expanded Polystyrene Roof Insulation**

CAN/ULC S701

*Beaver Plastics Ltd.*  
TERRAFOAM Type 1  
TERRAFOAM Type 2

*Great White Foam*  
Type 1  
Type 2

*Plasti-Fab Ltd.*  
PLASTI-SPAN Type 1  
PLASTI-FAB Type 2  
PLASTI-FAB Type 3

*SuperForm*  
EPS+ Type 1  
EPS+ Type 2  
EPS+ Type 3

**Extruded Polystyrene Insulation**

CAN/ULC S701

*Owens Corning Canada.*  
FOAMULAR NGX C-300  
FOAMULAR NGX 350

*Soprema Inc.*  
Sopra XPS 35  
Sopra XPS 40  
Sopra XPS 60

*DuPont*  
DECKMATE Type 2  
DECKMATE 200 Type 3  
ROOFMATE Type 4  
DECKMATE PLUS FA

**Mineral Fiber Roof Insulation**

ASTM C728

*Soprema Inc.*  
SOPRAROCK DD (Plus)  
SOPRAROCK MD (Plus) – 1 inch thick

**Fiberboard Roof Insulation / Insulation Coverboards**

CAN/ULC S706-02

Fibreboard Roof Insulation Coverboard	Thickness	Attachment Method				
		<table border="1"> <tr> <td></td> <td>Adhered (adhesive)</td> <td>Adhered (asphalt)</td> <td>Mech. Fast.</td> </tr> </table>		Adhered (adhesive)	Adhered (asphalt)	Mech. Fast.
	Adhered (adhesive)	Adhered (asphalt)	Mech. Fast.			
BP - ESGARD High Density (HD) Roof Insulator	12.7mm, 25mm	<table border="1"><tr><td></td><td>•</td><td>•</td></tr></table>		•	•	
	•	•				
BP - ESGARD High Strength (HS) Roof Insulator	12.7mm, 25mm	<table border="1"><tr><td></td><td>•</td><td>•</td></tr></table>		•	•	
	•	•				
MSL - Wood Fibreboard	12.7mm	<table border="1"><tr><td>•</td><td>•</td><td>•</td></tr></table>	•	•	•	
•	•	•				
Soprema Soprafibre 1C	12.7mm	<table border="1"><tr><td>•</td><td>•</td><td>•</td></tr></table>	•	•	•	
•	•	•				
Notes:						

## Gypsum Fiber Roof Board Coverboard

ASTM C1278

Gypsum Fiber Roof Board Coverboard (ASTM C1278)	Thickness	Attachment Method							
CGC Securock Gypsum Fiber Roof Board	9.5mm, 12.7mm, 15.9mm	<table border="1"> <tr> <td style="text-align: center;">Adhered (adhesive)</td> <td style="text-align: center;">Adhered (asphalt)</td> <td style="text-align: center;">Mech. Fast.</td> </tr> <tr> <td style="text-align: center;">●</td> <td style="text-align: center;">●</td> <td style="text-align: center;">●</td> </tr> </table>	Adhered (adhesive)	Adhered (asphalt)	Mech. Fast.	●	●	●	Max. asphalt application temperature for Type III asphalt of 235°C (455°F)
Adhered (adhesive)	Adhered (asphalt)	Mech. Fast.							
●	●	●							
Note 1: Attachment in a full mopping of hot bitumen is permitted only over faced insulations that are not heat sensitive.									

## Glass-faced Gypsum Coverboard

ASTM C 1177

Glass Faced Gypsum Coverboard (ASTM C1177)	Thickness	Attachment Method							
Georgia Pacific - Densdeck	6.4mm, 12.7mm, 15.9mm	<table border="1"> <tr> <td style="text-align: center;">Adhered (adhesive)</td> <td style="text-align: center;">Adhered (asphalt)</td> <td style="text-align: center;">Mech. Fast.</td> </tr> <tr> <td style="text-align: center;">●</td> <td style="text-align: center;">●</td> <td style="text-align: center;">●</td> </tr> </table>	Adhered (adhesive)	Adhered (asphalt)	Mech. Fast.	●	●	●	Mech. Fastened systems only
Adhered (adhesive)	Adhered (asphalt)	Mech. Fast.							
●	●	●							
Georgia Pacific - Densdeck Prime	6.4mm, 12.7mm, 15.9mm	<table border="1"> <tr> <td style="text-align: center;">●</td> <td style="text-align: center;">●</td> <td style="text-align: center;">●</td> </tr> </table>	●	●	●	Mech. Fastened, Partially Adhered and Adhered Systems systems			
●	●	●							
CGC Securock Coated Glass Mat Roof Board	6.4mm, 12.7mm, 15.9mm	<table border="1"> <tr> <td style="text-align: center;">●</td> <td style="text-align: center;">●</td> <td style="text-align: center;">●</td> </tr> </table>	●	●	●	For use in cold-applied adhesive applications only			
●	●	●							
Note 1: Attachment in a full mopping of hot bitumen is permitted only over faced insulations that are not heat sensitive.									

## Asphalt Core Boards (over approved insulation)

Asphalt Core Board (CSA A123.25)	Thickness	Attachment Method							
IKO - Protectoboard	Min. 3mm	<table border="1"> <tr> <td style="text-align: center;">Adhered (adhesive)</td> <td style="text-align: center;">Adhered (asphalt)</td> <td style="text-align: center;">Mech. Fast.</td> </tr> <tr> <td style="text-align: center;">●</td> <td style="text-align: center;">●</td> <td style="text-align: center;">●</td> </tr> </table>	Adhered (adhesive)	Adhered (asphalt)	Mech. Fast.	●	●	●	
Adhered (adhesive)	Adhered (asphalt)	Mech. Fast.							
●	●	●							
HAL - Perma-Board	Min. 4.5mm	<table border="1"> <tr> <td style="text-align: center;">●</td> <td style="text-align: center;">●</td> <td style="text-align: center;">●</td> </tr> </table>	●	●	●				
●	●	●							
Polyglass - Polyboard W	Min. 4.5mm	<table border="1"> <tr> <td style="text-align: center;">●</td> <td style="text-align: center;">●</td> <td style="text-align: center;">●</td> </tr> </table>	●	●	●				
●	●	●							
Soprema - Sopraboard	Min. 3mm	<table border="1"> <tr> <td style="text-align: center;">●</td> <td style="text-align: center;">●</td> <td style="text-align: center;">●</td> </tr> </table>	●	●	●				
●	●	●							
Notes:									

## High-Density Polyisocyanurate Coverboards

High-Density Polyisocyanurate Coverboard	Thickness	Attachment Method							
Atlas - ACFOAM HS	Min. 12.7mm	<table border="1"> <tr> <td style="text-align: center;">Adhered (adhesive)</td> <td style="text-align: center;">Adhered (asphalt)</td> <td style="text-align: center;">Mech. Fast.</td> </tr> <tr> <td style="text-align: center;">●</td> <td style="text-align: center;">●</td> <td style="text-align: center;">●</td> </tr> </table>	Adhered (adhesive)	Adhered (asphalt)	Mech. Fast.	●	●	●	
Adhered (adhesive)	Adhered (asphalt)	Mech. Fast.							
●	●	●							
Firestone - Isogard HD	Min. 12.7mm	<table border="1"> <tr> <td style="text-align: center;">●</td> <td style="text-align: center;">●</td> <td style="text-align: center;">●</td> </tr> </table>	●	●	●				
●	●	●							
Carlisle - Securshield HD	Min. 12.7mm	<table border="1"> <tr> <td style="text-align: center;">●</td> <td style="text-align: center;">●</td> <td style="text-align: center;">●</td> </tr> </table>	●	●	●				
●	●	●							
IKO - IKOTerm CoverShield	Min. 12.7mm	<table border="1"> <tr> <td style="text-align: center;">●</td> <td style="text-align: center;">●</td> <td style="text-align: center;">●</td> </tr> </table>	●	●	●				
●	●	●							
Notes:									

## **Composite Coverboards (SBS Modified Bituminous Membrane Systems)**

Products listed below are described as factory laminated SBS base sheet onto a fire resistant “FR” fibreboard, asphalt core board, polyisocyanurate insulation or stone-wool panel.

### *Soprema Inc.*

2-1 SOPRASMART ROCK	(12.7 & 25 mm thick with Soprema cap sheets only)
2-1 SOPRASMART BOARD	(5.4 mm & 7.0 mm thick with Soprema cap sheets only)
2-1 SOPRASMART BOARD SANDED	(5.4 mm & 7.0 mm thick with Soprema cap sheets only)
2-1 SOPRASMART ISO HD	(with Soprema cap sheets only)
2-1 SOPRASMART ISO HD SANDED	(with Soprema cap sheets only)

### *IKO Industries Ltd.*

PROTECTOBASE	(with IKO cap sheets only)
PROTECTOBASE 180	(with IKO cap sheets only)
SHIELDBASE 180	(with IKO cap sheets only)
SHIELDBASE 180 SANDED	(with IKO cap sheets only)

## **ACCEPTED ROOF INSULATION ADHESIVES**

### **Polyurethane Foam Adhesive**

- .1 One or two component, low-rise, chemically cured urethane foam adhesive for the attachment of selected rigid roof insulation and cover boards to one another and to adhere to vapour barrier membranes.

### *Soprema Inc. (Approved Soprema Systems Only)*

DUOTACK Roof Insulation and Coverboard Adhesive  
DUOTACK 365 Roof Insulation and Coverboard Adhesive

### *IKO Industries Ltd. (Approved IKO Systems Only)*

IKO MILLENIUM ADHESIVE

### *Genflex One Step Insulation Adhesive*

MILLENNIUM ADHESIVE Products, Weather-tite One Step Foamable Adhesive

### *Carlisle (Approved Carlisle Systems Only)*

FAST ADHESIVE Dual Cartridge

### *Firestone (Approved Firestone Systems Only)*

I.S.O. TWIN PACK Insulation Adhesive

### *Siplast Canada Inc. (Approved Siplast Systems Only)*

PARASTIK Adhesive