

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

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

Alleguard

Envirosheet Type 1
Envirosheet Type 2
Envirosheet Type 3

Beaver Plastics Ltd.

TERRAFOAM Type 1
TERRAFOAM Type 2

Plasti-Fab Ltd.

PLASTI-SPAN Type 1
PLASTI-FAB Type 2
PLASTI-FAB Type 3

Great White Foam

Type 1
Type 2

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

DuPont

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

Soprema Inc.

SOPRA-XPS 35
SOPRA-XPS 35 DC
SOPRA-XPS 40
SOPRA-XPS 40 PL
SOPRA-XPS 60
SOPRA-XPS 60 PL
SOPRA-XPS 100

Mineral Fiber Roof Insulation

ASTM C728

Soprema Inc.

SOPRAROCK DD (Plus)
SOPRAROCK MD (Plus) – 1 inch thick

Fiberboard Roof Insulation / Insulation Coverboards

Fibreboard Roof Insulation Coverboard (CAN/ULC S706-02)	Thickness	Attachment Method												
		<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">Adhered (adhesive)</div> <div style="text-align: center;">Adhered (asphalt)</div> <div style="text-align: center;">Mech. Fast.</div> </div>												
BP - ESGARD High Density (HD) Roof Insulator	12.7mm, 25mm	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td></td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> <tr><td></td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> </table>		●	●		●	●	●	●	●	●	●	●
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BP - ESGARD High Strength (HS) Roof Insulator	12.7mm, 25mm	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td></td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> <tr><td></td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> </table>		●	●		●	●	●	●	●	●	●	●
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MSL - Wood Fibreboard	12.7mm	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> </table>	●	●	●	●	●	●						
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Soprema Soprafibre 1C	12.7mm	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> </table>	●	●	●	●	●	●						
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Gypsum Fiber Roof Board Coverboard

Gypsum Fiber Roof Board Coverboard (ASTM C1278)	Thickness	Attachment Method			
		<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">Adhered (adhesive)</div> <div style="text-align: center;">Adhered (asphalt)</div> <div style="text-align: center;">Mech. Fast.</div> </div>			
CGC Securock Gypsum Fiber Roof Board	9.5mm 12.7mm, 15.9mm	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> </table>	●	●	●
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		Max. asphalt application temperature for Type III asphalt of 235°C (455°F)			
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

Glass Faced Gypsum Coverboard (ASTM C1177)	Thickness	Attachment Method									
		<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">Adhered (adhesive)</div> <div style="text-align: center;">Adhered (asphalt)</div> <div style="text-align: center;">Mech. Fast.</div> </div>									
Georgia Pacific - Densdeck	6.4mm, 12.7mm, 15.9mm	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> </table>	●	●	●	●	●	●	●	●	●
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Georgia Pacific - Densdeck Prime	6.4mm, 12.7mm, 15.9mm	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> </table>	●	●	●	●	●	●	●	●	●
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CGC Securock Coated Glass Mat Roof Board	6.4mm, 12.7mm, 15.9mm	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> </table>	●	●	●	●	●	●	●	●	●
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		Mech. Fastened systems only									
		Mech. Fastened, Partially Adhered and Adhered Systems systems									
		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												
		<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">Adhered (adhesive)</div> <div style="text-align: center;">Adhered (asphalt)</div> <div style="text-align: center;">Mech. Fast.</div> </div>												
IKO - Protectoboard	Min. 3mm	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> </table>	●	●	●	●	●	●	●	●	●	●	●	●
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HAL - Perma-Board	Min. 4.5mm	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> </table>	●	●	●	●	●	●	●	●	●	●	●	●
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Polyglass - Polyboard W	Min. 4.5mm	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> </table>	●	●	●	●	●	●	●	●	●	●	●	●
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Soprema - Sopraboard	Min. 3mm	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> <tr><td style="text-align: center;">●</td><td style="text-align: center;">●</td><td style="text-align: center;">●</td></tr> </table>	●	●	●	●	●	●	●	●	●	●	●	●
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Notes:														

High-Density Polyisocyanurate Coverboards

High-Density Polyisocyanurate Coverboard	Thickness	Attachment Method		
		<i>Adhered (adhesive)</i>	<i>Adhered (asphalt)</i>	<i>Mech. Fast</i>
Atlas - ACFOAM HS	Min. 12.7mm	•	•	•
Firestone - Isogard HD	Min. 12.7mm	•	•	•
Carlisle - Securshield HD	Min. 12.7mm	•	•	•
IKO - IKOTherm CoverShield	Min. 12.7mm	•	•	•
Soprema SOPRA-ISO PLUS HD	12.7mm	•	•	•
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

Carlisle (Approved Carlisle Systems Only)

FAST ADHESIVE Dual Cartridge

Firestone (Approved Firestone Systems Only)

I.S.O. TWIN PACK Insulation Adhesive

Siplast (Approved Siplast Systems Only)

Para-Stik Adhesive