



# IMPROVING STANDARDS

FOR THE DESIGN, CONSTRUCTION AND MAINTENANCE OF ROOFING SYSTEMS.

## THE CONCERN

Foamular® 350 Extruded Polystyrene Roof Insulation in a Protected Membrane Roof configuration is designed to lie flat on the roofing membrane.

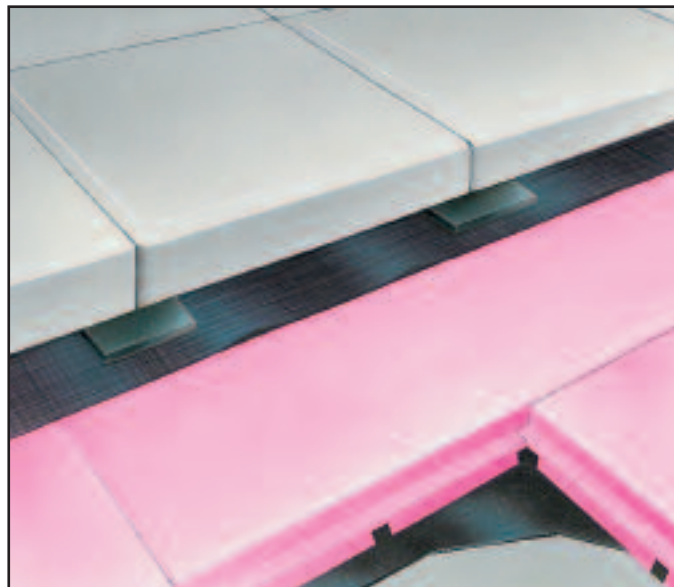
Although new roofs are normally designed with sufficient slope to allow for proper drainage of water from the surface of the roof, shifting of the building's structure over a period of time often reduces the initial slope and the effectiveness of the drainage patterns. This is readily apparent in re-roof projects. Water may become trapped under the insulation and held in close contact to the membrane for extended periods of time.

The overall effect is the potential to lessen the performance of the membrane.

## THE SMART SOLUTION

OC CELFORTEC Inc. has developed Channel Vent Roof Insulation with 1/2" x 1/2" grooves across the bottom face and around the perimeter of the extruded polystyrene board.

### FOAMULAR® 350 CVI



## THE BENEFITS

**ALLOWS FOR MORE EFFECTIVE ROOF DRAINAGE**

**REDUCES FLOATATION TENDENCIES**

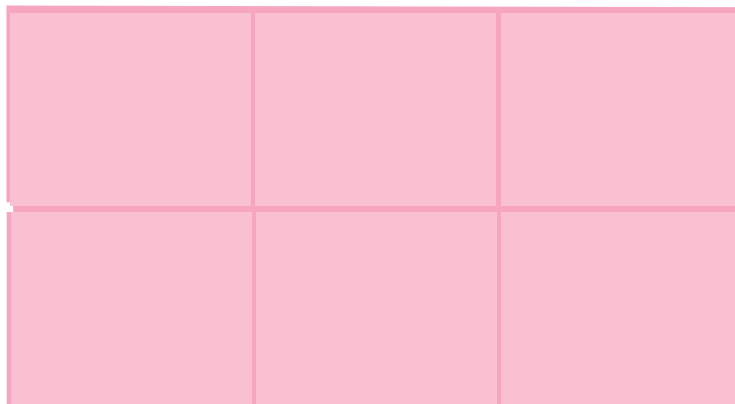
**PROMOTES DRYING OF THE MEMBRANE**

Channel Insulation helps you achieve the following benefits for your roofing system:

... water can move more freely towards drains  
... water vapour can move to the surface of the system through the channels

... greatly reduces the chance for insulation to shift and open gaps between the joints in the monolithic insulation layer

... thereby enhancing roof membrane performance



# FOAMULAR<sup>®</sup> 350 CVI

Extruded Polystyrene Insulation Channel Vent Roof Insulation

## PHYSICAL PROPERTIES

PROPERTY	ASTM METHOD	METRIC	IMPERIAL
Thermal Resistance <sup>(1)</sup>	C 518 or C 177	0.87 m <sup>2</sup> °C/W	5.0 ft <sup>2</sup> hr °F/BTU
Water Vapour Permeance	E 96	35 ng/Pa.s.m <sup>2</sup>	0.60 perms
Compressive Strength, min.	D 1621	240 kPa	35 psi
Water Absorption, max.	D 2842	0.7%	0.7%
Linear Coefficient of Thermal Expansion	D 696	6.3 x 10 <sup>-2</sup> mm/m/°C	3.5 x 10 <sup>-5</sup> in/in/°F
Flexural Strength, typical	C 203	415 kPa	60 psi
Dimensional Stability, max. (% linear change)	D 2126	1.5	1.5
Water Capillarity	-	None	None
Water Affinity	-	Hydrophobic	Hydrophobic
Maximum Operating Temperature	-	74 °C	165 °F

<sup>(1)</sup>Per inch (25 mm) of thickness.

[www.owenscorning.ca](http://www.owenscorning.ca)  
1-800-GET-PINK



INNOVATIONS FOR LIVING™