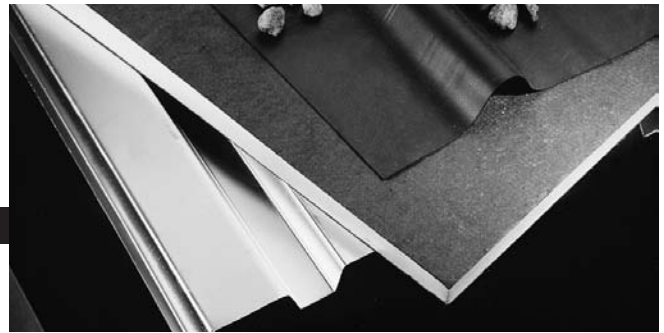


Tapered ValuTherm™



Description

Tapered ValuTherm is a rigid roof insulation board composed of a closed cell polyisocyanurate foam core bonded in the foaming process to universal fiber glass-reinforced facers. Tapered ValuTherm is designed for direct application to steel and other roof decks to promote positive drainage. Tapered ValuTherm meets the material requirements of ASTM C 1289, Type II, Class 1, Grade 2 and Federal Specification HH-I-1972/Gen and HH-I-1972/2. Conforms to CAN/ULC S704, Type 2, Class 2 (See CCMC Evaluation Report 13058-L). Tapered ValuTherm is also available as precut miters and precut crickets.

Use

Tapered ValuTherm provides high thermal insulation value over metal, nailable and non-nailable roof decks in built-up, modified bitumen and single ply membrane roofing systems. It may be applied using hot bitumen, cold adhesives or mechanical fasteners. The universal facer on the top and bottom side provides a suitable surface for mechanical attachment to a structural deck as well as a suitable surface to apply hot asphalt or cold adhesive. Tapered ValuTherm is the ideal insulation for both new construction and re-roofing where ponding water or positive slope is a concern.

Tapered ValuTherm has been rated in FM 1A-60 and 1A-90 fire and wind-resistant systems for BUR, modified bitumen and single ply systems in specific constructions. It has been classified by Underwriters Laboratories Inc. as an approved roof insulation in many Class A roof constructions and Roof/Ceiling hourly fire-rated assemblies. It also has been classified by Underwriters' Laboratories of Canada.

JM supports NRCA Bulletin #9 in recommending that a cover board of Fesco® Board or ½" (13 mm) Retro-Fit™ Board be installed over foam insulations in hot bituminous membrane systems.

Typical Physical Properties*

	Values	Test Method
Water Absorption, % by		
Volume - 2 hours	1 max.	ASTM C 209
Dimensional Stability Change:		
7 days @ 158°F (70°C), 90-100% RH		
Lengthwise	<2%	ASTM D 2126
Crosswise	<2%	
Compression Resistance**		
10% Consolidation-psi	20 nom.	ASTM D 1621 (138 kPa)
Product Density-pcf	2.0 nom.	ASTM C 209 (32 kg/m ³)
Moisture Vapor		
Transmission***	<1 perm	ASTM E 96 57.5 ng/(Pa•s•m ²)
Service Temperature	-100°F - 250°F (-73°C - 121°C)	

*As measured on ENRGY 3 roof insulation.

**Also available in 25 psi (172 kPa).

***Foam core only.

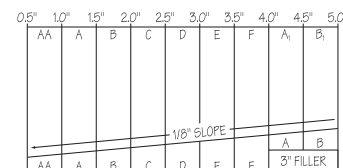
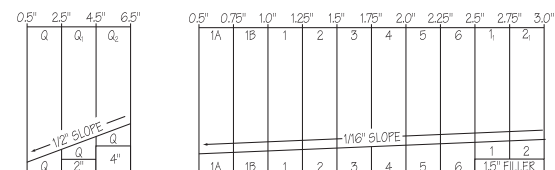
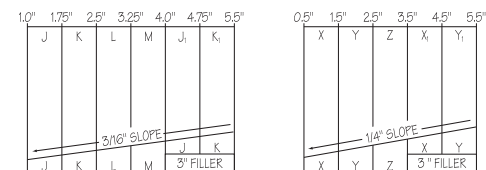
Advantages

- High thermal efficiency
- Universal facer that is compatible with BUR, modified bitumen and single ply membrane systems
- Complies with EPA requirements
- Meets Clean Air Act Amendments of 1990

Sizes

ValuTherm is available in 4' x 4' (1.22 m x 1.22 m) panels in thicknesses of ½" (13 mm) minimum to 4" (102 mm) maximum in a single layer. Available slopes are 1/16", 1/8", 3/16", ¼" and ½" per foot (5, 10, 16, 21 and 42 mm/m).

Profiles



ValuTherm™ is marketed by Johns Manville.

Refer to the Material Safety Data Sheet and product label prior to using this product.