

# Tapered ValuTherm™ 25 PSI



## Description

Tapered ValuTherm 25 PSI 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 25 PSI is designed for direct application to steel and other roof decks to promote positive drainage. Tapered ValuTherm 25 PSI meets the material requirements of ASTM C 1289, Type III, Class 1, Grade 3 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).

## Use

Tapered ValuTherm 25 PSI 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 25 PSI is the ideal insulation for both new construction and re-roofing where ponding water or positive slope is a concern.

Tapered ValuTherm 25 PSI 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 1/2" (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 .....	25 nom. ....	ASTM D 1621 (172 kPa)
Product Density–pcf .....	2.0 nom.....	ASTM C 209 (32 kg/m <sup>3</sup> )
Moisture Vapor		
Transmission* .....	<1 perm.....	ASTM E 96 57.5 ng/(Pa•s•m <sup>2</sup> )
Service Temperature .....	-100°F - 250°F (-73°C - 121°C)	

\*Foam core only.

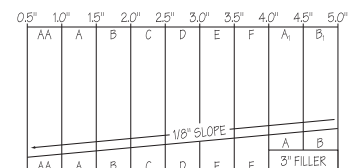
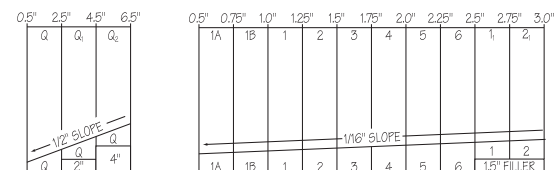
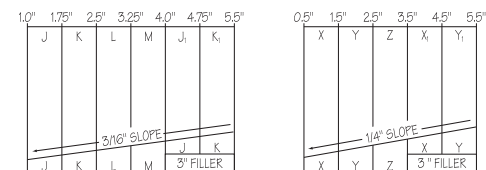
## Advantages

- 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

Tapered ValuTherm 25 PSI is available in 4' x 4' (1.22 m x 1.22 m) panels in thicknesses of 1/2" (13 mm) minimum to 4" (102 mm) maximum in a single layer. Available slopes are 1/16", 1/8", 3/16", 1/4" and 1/2" 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.