

# PermaBase® DEK

## Roof Board

### Description

PermaBase® DEK Roof Board is a 3/8" panel that is lightweight, easy to cut and fasten, and very durable in the presence of moisture. It will not rot, swell, or disintegrate in the presence of moisture. As an underlayment board or cover board for commercial, low slope roofs it provides excellent compressive strength, delamination resistance, and fungus resistance. It can be used in combination with a variety of roofing membranes and systems.

### Features/Benefits

- Unaffected by prolonged exposure to moisture
- Low water absorption
- Scores and snaps easily and cleanly
- Increases metal deck stiffness and roof system durability
- Superior impact and puncture resistance due to high compressive strength
- Fire Resistant
- 3' x 6' sheets for ease of handling
- Outperforms fiberboard, perlite, and glass mat faced gypsum boards in moisture protection and durability
- Suitable for inverted roof assemblies with liquid membranes
- Allows roof coverings to be mechanically fastened without sacrificing strength
- Meets CAN/ULC-S126-M86 standard. See assemblies C40 and C41 in the ULC database

ISO 9001:2000



**Perma**  
**BASE**<sup>®</sup>  
Cement Board

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### Applications

Roofing Systems manufacturers have found that PermaBase Dek roof board works well in the following applications or systems:

- Modified bitumen membranes
- Built-up roofing systems with single-ply roofing systems
- Metal roofing
- Inverted and green roof systems



Properties	Test Standard	PermaBase DEK
<b>Thickness: mm (in.)</b>	Property of Material	9.5 (3/8")
<b>Mass: Kg/m<sup>2</sup> (lbs/ft<sup>2</sup>)</b>	Property of Material	11.0 (2.25)
<b>Water Absorption: (%)</b>	ASTM C 473	<10
<b>Thermal Expansion: mm/C/m (in/in/F)</b>	Property of Material	.007 (4x10 <sup>-6</sup> )
<b>Linear Variation vs. Humidity (%)</b>	ASTM D 1037	<0.07
<b>Flame Spread/Smoke Spread</b>	ASTM E 84 ULC S102	0/0 5/0
<b>Flame Spread/Under Roof Deck</b>	ULC S126 – M86	Passed
<b>Delamination Resistance</b>	Property of Material	Excellent
<b>Compressive Strength: Mpa (psi)</b>	ASTM C 495	9 (1305)
<b>Indentation Resistance: N (lbf)</b>	ASTM D 1037	1316 (296)
<b>Membrane Adhesion</b>	Property of Material	Excellent
<b>Bacteria/Fungus Resistance</b>	ASTM G 22/G 21	No Growth
<b>Permeance (Perms) (Board Only)</b>	ASTM E 96	7.7 perms

**Note:** Not approved for torch applied membranes.

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