

# PERMABASE<sup>®</sup> DEK

## Lightweight roof cover board

January 2025

### DESCRIPTION:

PermaBASE<sup>®</sup> DEK Cement Board 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.



**BRANZ Appraised**  
Appraisal No. 819



**BRANZ Appraised**  
Appraisal No. 520



**BRANZ Appraised**  
Appraisal No. 685

### BASIC USES:

Roofing systems manufacturer have found that PermaBASE<sup>®</sup> DEK Cement Board works well in the following applications of systems:

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

### ADVANTAGES:

- Unaffected by prolonged exposure to moisture.
- Low water absorption.
- Does not require primers.
- Scores and snaps easily and cleanly.
- Protective surface cover over roof assembly and superior flute spanning increases deck stiffness.
- Superior impact and puncture resistance due to high compressive strength.
- Fire resistant.
- Out performs fibreboard, perlite, or glass mat faced gypsum board in moisture protection and durability.
- Suitable for inverted roof assemblies with liquid membranes.
- Do not use panels as a nailing base (they are non-structural).

### PACKAGING:

Thickness, Width and Length	# of Pcs. per Unit
9.5 mm x 1219 mm x 2438 mm	50

### TECHNICAL DATA:

Physical Properties	Standard	Value
Nominal thickness (mm)	n/a	9.5
Weight (kg/m <sup>2</sup> )	n/a	11.0
Flexural strength (MPa)	ASTM C 947	8.6
R-Value	ASTM C 518	0.28
Bending radius (m)	n/a	0.9
Water absorption, % max.	ASTM D 1037	5
Water vapour permeance (ng/Pa-s-m <sup>2</sup> )	ASTM E 96	260
Flame spread/smoke developed	ASTM E 84/ULC S-102	0/0



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**WARNINGS AND BANS:**

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No
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**MANUFACTURERS CONTACT DETAILS:**

Manufacture location	Canada
Legal and trading name of manufacturer	National Gypsum