

NP250gT5

Cap Sheet

Physical Properties: Complies with CGSB 37-GP-56M, Type 1 Class A, Grade 2

-Breaking Strength	MD 1408N (317 lbf) XD 1292N (290 lbf)	-Dynamic Impact (Puncturing)	Passed
-Ultimate Elongation	MD 38% XD 45%	-Static Puncturing	Passed
-Load Strain	MD 53504 XD 58140	-Lap Joint Strength	
-Water Resistance		After 5 days at 23°C	806N (181 lbf)
Water Absorption	0.59g	After 5 days at 50°C	908N (204 lbf)
Dimensional Change	MD 0.61% XD 0.17%	(H ₂ O)	
-Low Temperature Flexibility	No sign of cracking Pass water tightness	After 5 days at 50°C (H ₂ O) & 5 cycles of freeze thaw	921N (207 lbf)
at -30°C (-22°F)		-Granule Embedment	0.13g loss
-Water Vapour Transmission	0.02 g/m ² .24 hr.	-Accelerated Weathering	Pass
		1080 2h cycles	
		-Crack Bridging	> 10 cycles at -20°C (-4°F)

Packaging

-Thickness	5.0 mm (200 mils)	-Top Surface	Ceramic Granules
-Roll Length	8 m (26.3 ft.)	-Bottom Surface	Poly
-Roll Width	1 m (39 3/8")		
-Gross Coverage	8 m ² (86 ft ²)		
- Net Coverage	7.25 m ² (78 ft ²)		

Uses

modifiedPLUS® NP250gT5 Cap Sheet is used as the top ply in a two-ply roofing system and as a flashing membrane for modified bitumen roofing, conventional built-up roofing and as a maintenance repair material.

Features

- Designed for application in new construction, re-roofing and retrofit roofing
- Factory applied surface granules to enhance ultra-violet resistance and surface durability
- Highest quality membrane
- Non-woven polyester, 250g/m² reinforcement
- Excellent puncture resistance, and tear strength
- Highest breaking strength and flexibility at all temperatures
- SBS polymer provides flow resistance at high temperatures and flexibility at low temperatures for lasting durability

Limitations

Non-resistant to oils and solvents. Refer to manufacturer for specific chemical resistance.

Storage

Store rolls on end, on original pallets or elevated platform. Protect from weather or store in an enclosed area not subject to heat over 49°C (120°F).

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Surface Preparation

modifiedPLUS[®] NP250gT5 is designed as a cap sheet over a suitable base sheet. Refer to *modifiedPLUS*[®] base sheet specification data and *modifiedPLUS*[®] General Specifications for details on acceptable decks, insulation substrates and base sheet application.

Application

modifiedPLUS[®] NP250gT5 must be thermofused. Roll out *modifiedPLUS*[®] NP250gT5 and allow to relax prior to application.

Begin application of the cap sheet at the lowest edge or drain. Proceed up the slope from the lowest point. Position and unroll cap sheet to achieve correct overlap and alignment. Re-roll one end a minimum of 3 m (10') and adhere membrane to substrate. Complete application of remainder of sheet.

Thermofused Application:

Heat lower surface of membrane evenly across width of roll. Sufficient heat should be applied to melt the lower surface and provide a flow of bitumen. At the same time unroll the roofing membrane into the melted bitumen. Care should be taken to ensure that heating is even across the width to avoid skips or voids and bitumen should flow out from lap to ensure a tight seal. Add matching granules to cover the excess bitumen flow at seams.

Slopes 1:12 (1" in 12") or greater: In addition to the above, apply membrane parallel to direction of slope and blind nail or mechanically fasten membrane at end or head lap on 150 mm (6") centres.

Warranty

Henry Canada, warrants to the owner, that the *modifiedPLUS*[®] modified bitumen membrane, when installed by a participating contractor subject to the conditions and limitations contained within the warranty, will remain watertight for a period as outlined. All leaks or roof problems, on warranted roofs, must be reported to the manufacturer in writing within a period of 30 days.