

Physical Properties: Complies with CSA A123.23-15, Type A, Grade 1

Properties	Requirement	Before Heat Conditioning	After Heat Conditioning
Strain energy, min MD/XD At 23 °C ± 2 °C (73.4 °F ± 3.6 °F) At -18 °C ± 2 °C (0 °F ± 3.6 °F)	5.5 (31) 3.0 (17)	12.8/9.5 kN/m (72.6/53.9 lbf/in) 7.9/4.7 kN/m (44.8/26.7 lbf/in)	12.0/7.1 kN/m (68.0/40.3 lbf/in) 6.5/4.0 kN/m (36.9/22.7 lbf/in)
Peak load, min MD/XD At 23 °C ± 2 °C (73.4 °F ± 3.6 °F) At -18 °C ± 2 °C (0 °F ± 3.6 °F)	See tested Value	21.7/16.9 kN/m (123.0/95.8 lbf/in) 21.0/15.4 kN/m (119.1/87.3 lbf/in)	21.8/15.0 kN/m (123.6/85.1 lbf/in) 20.8/ 15.6 kN/m (118.0/88.5 lbf/in)
Elongation at peak load, min MD/XD At 23 °C ± 2 °C (73.4 °F ± 3.6 °F) At -18 °C ± 2 °C (0 °F ± 3.6 °F)	See tested value	58.8/56.4 % 30.0/17.3 %	55/47 % 30.0/20.0 %
Ultimate elongation at 23 °C ± 2 °C (73.4 °F ± 3.6 °F) MD/XD	See tested value	55.8/55.6 %	53.0/45.0 %
Low temperature flexibility, max MD/XD	-18 °C (-0F)	-18/-18°C (0/0°F)	-18/-18 °C (0/0 °F)
Low temperature flexibility after UV weathering, max MD/XD	-12°C (10F)	-18/-18°C (0/0 °F)	
Compound stability, in	102°C (215 °F)	107°C (225 °F)	
Dimensional stability, max MD/XD	0.5%	±0.4/±0.4 %	
Resistance to Puncture	Pass/Fail	Pass	
Granule Embedment, max	2.0 g (0.07 oz)	0.4 g	

All values are nominal. | NA: Not Applicable

Packaging

Product	Thickness mm (mils)	Selvage Thickness mm (mils)	Mass per unit area kg/m ² (lb./100 ft ²)	Back Surface Coating Thickness Min. mm (mils)	Roll Length M (ft)
Requirement	2.8 (110)	1.8 (70)	2.9 (60)	1.0 (40)	NA
Modified Plus HDgt4	4.0 (160)	3.0 (118)	4.3 (88)	NA	8 M (26.3 ft.)

All values are nominal.

Heavy Duty Cap Sheet

Uses

modifiedPLUS® HD Heavy Duty 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. The product incorporates a high tensile composite reinforced mat, providing it with improved mechanical properties compared to traditional products.

- HDgT4 has a thermofusible poly lower surface for torching to modifiedPLUS® substrates

Features

- Heavy duty composition provides greater physical properties covered by the ASTM D-6162 Standard
- Superior tensile strength and elongation compared to glass or polyester mat cap sheets
- Excellent puncture resistance and tear strength
- SBS polymer provides flow resistance at high temperatures and flexibility at low temperatures for lasting durability
- Factory applied surface granules to enhance ultra-violet resistance and surface durability
- Compatible with a variety of Henry's base sheet products, providing a variety of installation configurations

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).

Preparation

modifiedPLUS® HD Heavy Duty Cap Sheet is designed to be used 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

Roll out **modifiedPLUS® HD Heavy Duty Cap Sheet** 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: HDgT4

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.

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.

For more information, visit www.henry.com or for technical assistance call us at 800-486-1278. For more information on Henry's® product warranty and liability disclaimer please visit www.henry.com/warranty. Refer to the Safety Data Sheet prior to using this product. The Safety Data Sheet is available at www.henry.com or by emailing Henry® Product Support at productsupport@henry.com or by calling 800-486-1278.

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