

# RoofMatt NPS-XL Range

## Needle punched nonwoven roofing geotextile

Rev09: Oct-2018

RoofMatt NPS is engineered with enhanced UV resistance and protects the thermal insulation products in roofing systems. Along with the superior weather resistant quality, this water permeable fabric is strong enough to withstand the normal foot traffic.

- FUNCTIONS :**
- ✓ Prevention of fine materials migrating into thermal joints.
  - ✓ Allows moisture/gas trapped underneath to vent out.
  - ✓ Protects thermal insulation against damage by gravel/tiles layer.

### TECHNICAL DATA SHEET

MECHANICAL PROPERTIES	TEST	UNIT	NPS10XL	NPS12XL	NPS15XL	NPS20XL
Tensile Strength - MD	EN ISO 10319	kN/m	4	5	6.5	9
Tensile Strength - XD	EN ISO 10319	kN/m	4.5	6	7.5	11
Elongation at break - MD	EN ISO 10319	%	50	50	50	50
Elongation at break - XD	EN ISO 10319	%	60	60	60	60
CBR Puncture Resistance	EN ISO 12236	N	750	975	1200	1700
Dynamic Cone Drop	EN ISO 13433	mm	32	30	26	23
HYDRAULIC PROPERTIES	TEST	UNIT	NPS10XL	NPS12XL	NPS15XL	NPS20XL
Permeability	EN ISO 11058	m/s. 10 <sup>-3</sup>	95	90	85	80
PHYSICAL PROPERTIES	TEST	UNIT	NPS10XL	NPS12XL	NPS15XL	NPS20XL
Polymer Type	Superior virgin polymeric staple fibres					
Thickness under 2 kPa	EN ISO 9863-1	mm	1.4	1.6	1.9	2.3
Mass per Unit Area	EN ISO 9864	g/m <sup>2</sup>	100	120	150	200
Roll Width		m	3	3	3/6	3/6
Roll Length		m	100/200	100/200	100	100
40' Container Load (+/- 10%)		m <sup>2</sup>	61,200	61,200	50,400	37,800

**Recommended RoofMatt NPS grades:**

NPS10XL	NPS12XL	NPS15XL	NPS20XL
LIGHT	UNIVERSAL	STRONG	EXTRA STRONG

- ADVANTAGES:**
- ✓ Permit easy removal and installation of the gravel / tiles and insulation for making repairs.
  - ✓ Provides an environmentally preferred option to reuse the gravel.
  - ✓ Compatible with all insulation types.

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