



HaTelit® G 100

Data Sheet

Roads & Pavements

HaTelit G 100 is designed to reinforce the most severely distressed pavements, mitigating reflective cracking by combining continuous filament high-strength fiberglass with a lightweight non-woven. This biaxial composite is pre-coated with bitumen to strengthen and enhance the bond with the new asphalt overlay, ensuring bond-shear strength between the new and old pavement. HaTelit G 100 combines with the new asphalt layer to also increase the tensile and flexural strength of the overall pavement structure improving life-cycle performance of the investment in your new hot mix asphalt overlay. HaTelit G 100 is to be used on highly distressed pavement conditions for optimum performance. HaTelit G100 is manufactured in the U.S.A.

Physical Properties of HaTelit G 100

PROPERTY	TEST	ENGLISH units ¹	SI units ¹
Mass/ Unit Area	ASTM D-5261	17.7 oz/yd ²	596 g/m ²
Aperture Size	Measured	1.2 in. x 1.2 in.	30.50 mm x 30.50 mm
Open Area of Grid	CWO 22125	> 80%	> 80%
Tensile Strength-Single Rib			
Machine Direction (MD)	ASTM D-6637	6,850 lb/ft.	100 kN/m
Cross-Machine Direction (CMD)	ASTM D-6637	6,850 lb/ft.	100 kN/m
Elongation at Break	ASTM D-5261	< 3%	<3%
Identification of Fibers	ASTM D-276	572° F	300° C
Asphalt Retention	ASTM D-6140	0.10 gal/yd ²	0.47 l/m ²

¹Minimum average roll values are based on a 95% confidence level

Standard Roll Size: 12.50 ft. (3.80 m) wide x 328.1 ft (100 m) long = 456 yd² (381.27 m²)

Weight (includes core and wrap) = 520 lb (236 kg)

Each roll of HaTelit delivered to the project site is labeled by HUESKER with a roll label that indicates manufacturer's name, product identification, lot number, roll number and roll dimensions. All rolls of HaTelit are encased in a sturdy polyethylene wrap to shield the product from rain, dirt, dust and ultraviolet light. Contact HUESKER for information on our material warranty.

