



HaTelit® G 50

Data Sheet

Roads & Pavements

HaTelit G 50 is an asphalt reinforcement composite interlayer specifically designed for mitigating reflective cracking in hot mix asphalt overlays. HaTelit G 50 is an asphalt reinforcement composite which combines 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 shear-bond strength between the new and old pavement. HaTelit G 50 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 50 is used on medium distressed pavement conditions for optimum performance. HaTelit G50 is manufactured in the U.S.A.

Physical Properties of HaTelit G 50

PROPERTY	TEST	ENGLISH units ¹	SI units ¹
Mass/ Unit Area	ASTM D-5261	9.5 oz./yd ²	320 g/m ²
Aperture Size	Measured	1.2 in. x 1.2 in.	30 mm x 30 mm
Open Area of Grid	CWO 22125	> 80%	> 80%
Tensile Strength-Single Rib			
Machine Direction (MD)	ASTM D-6637	3,425 lb/ft.	50 kN/m
Cross-Machine Direction (CMD)	ASTM D-6637	3,425 lb/ft.	50 kN/m
Elongation at Brake	ASTM D-6637	< 3%	<3%
Identification of Fibers	ASTM D-276	490° F	255° C
Asphalt Retention	ASTM D-6140	0.10 gal/yd ²	0.47 l/m ²
CBR Puncture	ASTM D-6241	410 lb-F	1804 N

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

Standard Roll Size: 12.50 ft. (3.81 m) wide x 328.0 ft (100 m) long = 456 yd² (381 m²)
 Weight (includes core and wrap) = 290 lbs (132 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.

