



HaTelit[®] C 40/17

Data Sheet

Roads & Pavements

HaTelit C 40/17 asphalt reinforcement interlayer, provides a unique solution to reflective cracking in hot mix asphalt overlays. HaTelit C 40/17 is an asphalt reinforcement composite interlayer which combines a continuous filament, high modulus polyester geogrid with a lightweight non-woven; that is preimpregnated with bitumen to strengthen the bond with the new and old asphalt pavement layers. In addition, the bituminous coating also helps in reducing damage upon installation as compared to other competitive products. HaTelit C 40/17 combines with the new and old pavements forming a monolithic pavement structure that will increase tensile strength, thereby reducing tensile stress peaks, improving fatigue life. HaTelit C 40/17 will also mitigate reflective cracking... reducing maintenance and rehabilitation costs...thus extending the overall service life of the overlay. HaTelit C 40/17 is manufactured in the U.S.A.

Physical Properties of HaTelit C 40/17

PROPERTY	TEST	ENGLISH units ¹	SI units ¹
Mass/ Unit Area	ASTM D-5261	8.0 oz./yd ²	270 g/m ²
Aperture Size	Measured	1.5 in. x 1.5 in.	40 mm x 40 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
Tensile Strength @ 3% Strain	ASTM D-6637	835 lb/ft.	12 kN/m
Elongation at 50kN +/-	ASTM D-6637	10%	10%
Shrinkage @ 375° F for 15 min (PET)		<1%	<1%
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

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

Standard Roll Size: 12.50 ft (3.81 m) wide x 492.13 ft (150 m) long = 683.51yd² (571.50 m²)
 Weight (includes core and wrap) = 360 lbs. (164 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.

