



# 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 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-mitigating reflective cracking. HaTelit® C 40/17 will aid in the reduction of annualized maintenance and rehabilitation costs and extend 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 <sup>1</sup> | SI units <sup>1</sup> |
|--------------------------------------|-------------|----------------------------|-----------------------|
| <b>Mass/ Unit Area</b>               | ASTM D-5261 | 8.0 oz./yd <sup>2</sup>    | 270 g/m <sup>2</sup>  |
| <b>Aperture Size</b>                 | Measured    | 1.5 in. x 1.5 in.          | 40 mm x 40 mm         |
| <b>Open Area of Grid</b>             | CWO 22125   | > 80%                      | > 80%                 |
| <b>Tensile Strength-Single Rib</b>   |             |                            |                       |
| 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               |
| <b>Tensile Strength @ 3% Strain</b>  | ASTM D-6637 | 835 lb/ft.                 | 12 kN/m               |
| <b>Elongation at 50kN +/-</b>        | ASTM D-6637 | 10%                        | 10%                   |
| <b>Shrinkage @ 375° F for 15 min</b> |             | <1%                        | <1%                   |
| <b>Identification of Fibers</b>      | ASTM D-276  | 490° F                     | 255° C                |
| <b>Asphalt Retention</b>             | ASTM D 6140 | 0.10 gal/yd <sup>2</sup>   | 0.47 l/m <sup>2</sup> |

<sup>1</sup>Minimum average roll values are based on a 95% confidence level

Standard Roll Size: 13.2 ft (4.0 m) wide x 492.1 ft (150 m) long = 717 yd<sup>2</sup> (600 m<sup>2</sup>)  
 Weight (includes core) = 485 lbs. (220 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.*

