

Product Data Sheet

Lucogrid®Glass

1. Product description

Lucogrid®Glass is a pre-bitumized asphalt reinforcement that can be applied to the entire area or intermittently.

2. Fields of application

Durable mending of existing roads (to prevent and to fix cracks caused by excessive strain, temperature differences etc.). Can easily be incorporated into new roads for the prevention of cracks over an extended period of time.

3. Attributes

Lucogrid®Glass adheres perfectly to the previously applied emulsion due to the pre-bituminization. On the top side of Lucogrid® Glass are grated lattices to ensure immediate trafficability for construction-site traffic.

4. Processing

- Milling of the asphalt
- Proper cleaning of the milling surface
- Application of the bituminous emulsion
- mechanical installation of Lucogrid®Glass or
- manual installation of Lucogrid®Glass
- Application of the top asphalt layer (thickness of at least 3.5 cm)

5. Delivery form

- Standard sizes of Lucogrid® Glass are rolls in widths of 0.97m (30kg), 1,50 m (45 kg) and 1.95m (60kg).
- The roll length is 50m.
- The rolls are packed individually.

Technical Data*		Main direction (MD)	Cross direction (CD)
Character	Unit	Value	Value
Appearance	-	Black grid	Black grid
Width of roll	m	0.97 / 1.50 / 1.95 (further widths upon request)	
Length of roll	m	50	
Tack coat	g/m ²	250 – 300 bituminous emulsion depending on type and substrate	
Basic glass grid	Unit	Value	Value
Tensile modulus fiber	N/mm ²	≥ 73.000	≥ 73.000
Elongation at break	%	≤ 4.5	≤ 4.5
Fiber cross section	mm ² /m	46 50 fiber strands	48 52 fiber strands
Tensile force at 2.6%	kN/m	120	130
*These standard values are typical values and should not be regarded as specifications.			

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