

Product Data Sheet

Lucogrid®Glass50

1. Product description

Lucogrid®Glass50 is a pre-bitumized asphalt reinforcement that can be applied to the entire area or intermittently.

The tensile strength is 50 kN/m.

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®Glass50 adheres perfectly to the previously applied emulsion due to the pre-bituminization. On the top side of Lucogrid®Glass50 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®Glass50 or
- manual installation of Lucogrid®Glass50
- Application of the top asphalt layer (thickness of at least 3.5 cm)

5. Delivery form

- Standard sizes of Lucogrid®Glass50 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	
Width of roll	m	0.97 / 1.95	
Length of roll	m	50	
Weight of area	g / m ²	600	
Tack coat	g/m ²	300 - 500 bituminous emulsion	
Basic glass grid	Unit	Value	Value
Overlapping	cm	10 15	30 – 40
Tensile modulus fiber	N/mm ²	≥ 73.000	≥ 73.000
Elongation at break	%	≤ 3,0	≤ 3,0
Fiber cross section	mm ² /m	46 50 fiber strands	48 52 fiber strands
Tensile force at 2.6%	kN/m	50	50
*These standard values are typical values and should not be regarded as specifications.			

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