

# DiaWool-E50

#410902



## Datasheet

■ Green up the roof!

Slabs of hydrophilic mineral wool are made of a mixture of igneous rocks (basalt, diabase, etc.), which melts at high temperatures, tears to fibres and the individual fibres are bonded to one another by a binder. These substrate slabs partially replace the soil in structures of green roofs. The slab is lightweight and airy. The mineral wool has also excellent water permeability. It can be used in single-layer extensive arrangements where it drains excessive rainwater in its entire volume. If combined with the soil, the slab is used as a substrate of the vegetation strata.

	Dim.	DiaWool-E50	
Thickness	[mm]	50	
Length x width	[mm]	1000x600	
Pallet	m <sup>2</sup> /m <sup>3</sup>	28,8/1,44	
<b>Hydrothermal properties</b>			
Volume weight dry	[kg m <sup>3</sup> ]	76-100	
Volume weight at maximum water capacity	[kg m <sup>3</sup> ]	1003	
Water permeability mod. Kf	[mm·min <sup>-1</sup> ]	227	
Max. Water capacity Wkmax	[vol.%]	92,7	
Water flow capacity in its plane at a slope angle in the roof angle $q_s$ , g	[l·m <sup>-1</sup> ·s <sup>-1</sup> ]	on the slope 0°	1.48
		on the slope 2°	1.53
		on the slope 35°	1.79
<b>Fire resistance properties</b>			
Reaction to fire class	[-]	A1	
Maximum service temperature	[°C]	200	
Melting temperature tt	[°C]	≥ 1000	

Reviewed: 2021-10-19

Specifications are subject to change without