

concrete skin

[fibre C] panels

Panels



Angled components



Rounded arches



Panel Size	1. 2500 x 1200 mm 2. 3600 x 1200 mm 3. Special lengths up to 5200 mm	Development from max. panel size l 3600 x w 1200 mm short side piece max. 400 mm	Radius on request
Thickness	13 mm	13 mm	13 mm
Reinforcement	Through AR (alkali-resistant) glass fibres as continuous linear glass fibre strands and short fibres in the matrix		
Density	at least 1,9 g/cm ³		
Weight	26 kg/m ²		
Bending tensile strength	at least 18 Mpa		
Elasticity modulus	approx. 20.000 N/mm ²		
Frost resistance	in compliance with EN 12467		
Thermal expansion	10 x 10 ⁻⁶ K ⁻¹ / 0,0045 mm/m [°] K		
Flammability class	A1 in compliance with DIN 4102		
Water impermeability	in compliance with EN 12467		
Wet and dry inspection	in compliance with EN 12467		
Visible drill holes	Fixed point 6 mm Floating point 8 mm		
Concealed drill holes	Keil I undercut anchor		
Substructure	Aluminium or combined (see substructure data sheets)		
Joint width	6 - 10 mm		
Formatting	formatted on all sides; charge for clipping as written in the price list		

Colours (more under www.nieder.cc / colour-specifier)

Colourcode	
(please always indicate)	
01	Silver-grey
02	Anthracite
03	Sandstone
04	Liquide black
05	Terra NEW
06	Mocca-brown
07	Venice green
08	Terracotta red
09	Bianco NEW
10	Ivory
others on request	

Surface Types

Surfacecode	
(please always indicate)	
MA	matt surface
FE	ferro / sand blasted surface
FL	ferrolight / sand blasted surface
others on request	

Surface Treatment

Surface Treatment code	
(please always indicate)	
A	natural
B	hydrophobic
C	oiled
D	treatment ADL

