

Icodren® 10 Szybki Drenaż SBS

CE Product Information

Product description

Icodren® 10 Szybki Drenaż SBS is a light and flexible composite matting made up of a drainage core of looped polypropylene filaments, which gives it a high drainage capacity, provided on both sides with a nonwoven filter fabric. The components are thermally bonded together over the entire contact area. Each of the nonwoven filters extends 100 mm to one side of the core in opposite directions. This ensures that the joint is covered when lanes of Icodren® 10 Szybki Drenaż SBS are laid adjacent to one another.

Application

Icodren® 10 Szybki Drenaż SBS is used in the building industry to protect underground structures such as cellars, basements and car parks against seepage. Icodren® 10 Szybki Drenaż SBS is placed vertically against the wall with the filter fabric towards the soil and the drainage core facing the wall.

To avoid damage caused by UV radiation or wind, we advise to cover Icodren® 10 Szybki Drenaż SBS immediately after installation, but at least within two weeks.

Performances

Properties of the composite

Applied stress in kPa	Hydraulic gradient i in -	Water flow capacity in-plane* $q_{\text{stress/gradient}}$ in l/(s·m)**		
		Mean value	Tolerance value	
20	1.0	2.0	-0.6	EN ISO 12958

* Test results by Colbond Geosynthetics Laboratory according to EN ISO 12958, opt. R/F.

Soil pressure against one filter side was simulated by a foam layer.

** l/(s·m) = 10^{-3} m²/s

Hydraulic properties of the filters

		Mean value	Tolerance value	
Water permeability, $V_{I_{H50}}$	mm/s	100	- 30	EN ISO 11058
Opening size, O_{90}	µm	170	+/- 60	EN ISO 12956

Mechanical properties* of the filters

		Mean value	Tolerance value	
Polymer		PET/PA, PP		
Mass per unit area	g/m ²	90	- 10	EN 965
Thickness	mm	0.4	- 0.1	EN 964-1
Tensile strength MD	kN/m	5	- 1.0	EN ISO 10319
Tensile strength CMD	kN/m	6	- 1.0	EN ISO 10319
Elongation at break MD	%	33	- 6	EN ISO 10319
Resistance to static puncture	kN	0.8	- 0.12	EN ISO 12236
Dynamic perforation resistance	mm	48	+ 2	EN 918

* Data given are mean values corresponding with the CE marking.

Dimensions and weights

Type	Mattings					Rolls		
	Thickness mm	Weight g/m ²	Width m	Length m	Area m ²	Ø m	Length m	Gross-weight kg
Icodren 10	9	540	1.0	45	45	0.80	1.02	27

Individual values may vary from above mentioned data.

Quality Assurance



The Quality Management System of Colbond bv, at Arnhem (development and sales) and Obernburg (production), has been approved by Lloyd's Register Quality Assurance Limited for the ISO 9001:2000 quality management system standard (Certificate No. 935136).



0799-CPD

Icodren® 10 Szybki Drenaż SBS is CE-certified by an independent notified body (0799-CPD).

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