NorGeoSpec 2012 Product Certificate

Quality Product Certification
Separation and Filtration

This product has been found to be fit for use in accordance with NorGeoSpec 2012 System for the above given function.

Certificate no.:	NGS-50112
Date:	31.01.2018
Valid until:	30.01.2020
Manufacturer:	Byggros A/S
Product:	BG-Tex NGS3
Product Type:	GTX-N
Raw material:	PP
Function:	Separation and Filtration

Issued by

Christian Recker, SINTEF project manager

Approved by

Arnstein Watn, Head of the Technical committee

The products are regularly audited and tested to verify that the characteristics fulfil the NorGeoSpec 2012 Rev.: 01/14.12.2016 requirements.
Approved by the NorGeoSpec Technical committee: 31.01.2018

NorGeoSpec Certification body: SINTEF Building and Infrastructure · Forskningsveien 3B · 0373 Oslo

SINTEF is appointed Notified Body by the Norwegian Building Authority, related to Regulation (EU) No. 305/2011 – Construction Products. Notified Body No. 1071.

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Characteristic		Standard	Unit	Declared value	Max. tolerance	Certification value
Mass per unit area		EN ISO 9864	g/m²	200	± 20	**180 - 220**
Mechanical tests						
Tensile strength	MD	EN ISO 10319	kN/m	16.70	- 1.67	**15.03**
	CMD	EN ISO 10319	kN/m	16.70	- 1.67	
Tensile strain at tensile strength	MD	EN ISO 10319	%	45.0	- 9.0	**40.0**
	CMD	EN ISO 10319	%	55.0	- 11.0	
Static puncture test		EN ISO 12236	KN	2.600	- 0.260	**2.340**
Dynamic perforation resistance		EN ISO 13433	mm	22	4.4	**26**
Energy index		NorGeoSpec 2012	kN/m	3.2	0.0	**3.2**
Hydraulic tests						
Permeability normal to the plane without load		EN ISO 11058	m/s	0.060	- 0.018	**0.042**
Characteristic opening size		EN ISO 12956	µm	80	± 24	**56 - 104**
Durability (Declared value)						
Service life			years	☐ 25	☐ 50	☒ 100

Quality Product Certification: Separation and Filtration **Application profile: 3**