

DECLARATION OF PERFORMANCE

according Annex III of the Regulation (EU) No 305/2011
amended by Commissions delegated Regulation (EU) No 574/2014

Name of the product
DS Protect ^[basic]

No.: **GBI F 050**

Unique identification code of the product-type:
0815

Intended use/es:
For use drainage systems as filter, separation and drainage layer (F+S+D). EN 13252:2016

Manufacturer:
**Remmers GmbH
Bernhard-Remmers-Str. 13
D - 49624 Lönigen / Germany**

System/s of AVCP:
System 2+

Harmonised standard:
EN 13252:2016

Notified body/ies:
**Kiwa GmbH
Niederlassung TBU Greven
identification no. 0799**

Declared performance/s:


Essential characteristics		Performance		Harmonized technical specification
Tensile strength (EN ISO 10319)	MD	8,5 kN/m	(-1,1 kN/m)	EN 13252:2016
	CMD	8,5 kN/m	(-1,1 kN/m)	
Elongation at maximum load (EN ISO 10319)	MD	50 %	(+/- 20 %)	
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Static puncture (CBR test) (EN ISO 12236)		1,5 kN	(-0,195 kN)	
Dynamic perforation resistance (cone drop test) (EN ISO 13433)		31 mm	(+6,2 mm)	
Characteristic opening size (EN ISO 12956)		80 µm	(+/- 24 µm)	
Water permeability normal to the plane (EN ISO 11058)		75 m/s	(-22,5 m/s)	
Waterflow capacity in the plane (EN ISO 12958 soft/soft)		2,69 10 ³ m ² /s	(-0,807 10 ³ m ² /s)	
Durability (EN 13252, annex B)		To be covered within 14 days		
		Predicted to be durable for a minimum of 25 years in natural soils with 4 < pH < 9 and soil temperatures of < 25°C		

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Remmers GmbH
i. V. Dr. Markus Boos
Technical Director R & D

Löningen, 21.01.2019
(place and date of issue)


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(signature)