



DS Protect [basic]

3-layer protective system made of recycled PET

Availability	
Quantity per pallet	105
Size / Quantity	
1.25 m x 14 m = 17.5 m ²	
Type of container	Roll
Container code	01
Art. no.	
0815	■

Application rate Approx. 1.1 m²/m²



Range of use



- Protective layer for waterproofing elements that come into contact with the ground in old and new buildings
- Protective layer in accordance with DIN 18533
- Protective layer in accordance with WTA Code of Practice 4 - 6
- Vertical drainage element in accordance with DIN 4095

Property profile

- Recycled PET
- Very good at carrying away water

Characteristic data of the product

Nub height	Approx. 7.5 mm
Aperture width O ₉₀	110 µm
Temperature resistance	-20 °C to +60 °C
Compressive strength	350 kN/m ²

The values stated represent typical characteristic data of the product and are not to be understood as binding product specifications.

Certificates

- [Certificate: in-house production control](#)

Additional information

- [Instructions for use - DS Protect Clip \[basic\]](#)

Possible system products

- [DS Protect AL \(0819\)](#)
- [DS Protect Clip \[basic\] \(0816\)](#)

Notes

Deviations from applicable regulations must be agreed separately.
The relevant test certificates must be observed when planning and carrying out work.

Storage / Shelf life

May be stored for an unlimited period if protected from direct sunlight.



Disposal

The product must be disposed of in accordance with the official regulations.

Declaration of performance

- [Declaration of performance](#)



Declaration of conformity



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GBI F 050

EN 13252:2016

0815

For use in drainage systems as filter, separation and drainage layer (F+S+D)

Tensile strength (EN ISO 10319)	MD CMD	8.5 kN/m 8.5 kN/m	(-1.1 kN/m) (-1.1 kN/m)
Elongation at maximum load (EN ISO 10319)	MD CMD	50 % 50 %	(+/- 20 %) (+/- 20 %)
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)
Water flow 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	

Please note that the data and information given above have been calculated as guidelines in the laboratory and from real-life experience and are therefore not binding as a basic principle.

This information is therefore of a general nature only and describes our products and how they are used and worked with. In this respect, it must be borne in mind that the varied and diverse nature of the

prevailing working conditions, materials used and construction sites encountered means that not every individual case can be covered. In this respect, we therefore recommend either conducting tests or liaising with us in the event of any doubt. Unless we have provided express written assurance of the products' specific suitability or characteristics in respect of a contractually stipulated intended use, any technical application-related advice or instruction will never

be binding, even though it is provided to the best of our knowledge. In all other respects, our general terms and conditions of sale and delivery shall apply.

When a new version of this Technical Data Sheet is published, it shall replace the previous version.