



DS Protect

- DS System Protection -

Highly durable, 3-layer protective sheet with decoupling function

Availability		
Quantity per pallet	240	150
Packaging unit		
Type of container	Roll	Roll
Container code	01	25
Art. no.		
0823	■	■

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
- Horizontal drainage element in multi-storey car parks and underground parking garages

Property profile

- High compressive strength
- Very good at carrying away water
- Resistant to rotting

Characteristic data of the product



Nub height	Approx. 9 mm
Nub shape/arrangement	Square/horizontal + vertical
Drainage capacity	Approx. 2.4 l/s m
Water permeability coefficient of the nonwoven	Approx. 10×10^{-4} m/s
Effective pore size of the nonwoven	095 = 180 μ m
Pull-out strength on masonry fasteners/nails	Approx. 420 N/fastening
Temperature resistance	-30 °C to +80 °C
Compressive strength	Approx. 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](#)
- [Test certificate: practical test of short-term filling capability](#)
- [ibac TH Aachen A 2300/3 - Impermeability to water](#)
- [Instructions for use: DS Protect Clip](#)

Possible system products

- [DS Protect AL \(0819\)](#)
- [DS Protect Clip \(0818\)](#)
- [MB 2K \(3014\)](#)
- [\[remmers_pmbcs_0823\]](#)
- [\[remmers_dichtungsschlaemmen_0823\]](#)

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.



Safety data / Regulations

For further information on the safety aspects of transporting, storing and handling the product and on disposal and environmental matters, please see the current Safety Data Sheet.

Disposal

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

Declaration of performance

- [Declaration of performance](#)



CE marking



0799

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02

GBI F 019-2

EN 13252:2000 + A1:2005

0823

Geocomposite for drainage systems

Tensile strength:	CMD 6 KN/m
Dynamic perforation resistance (cone drop):	40 mm
Opening size:	0.15 mm
Water permeability:	80 mm/s
Water flow capacity in the plane:	20 kPa 3.1 l/s · m
	50 kPa 2.8 l/s · m
	100 kPa 1.7 l/s · m
Durability according to annex B:	To be covered 2 weeks after
Predicted to be durable in natural soils with 4 < pH < 9 and soil temperatures < 25 °C	For a minimum of 25 years

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.