

SD Protection and Drainage Sheet

Drainage- and backfill-protection for KÖSTER waterproofing of building structures

Properties

KÖSTER SD Protection and Drainage Sheet is a HD-PE dimpled membrane with a filter fleece made of polypropylene mounted to the front side and a blue gliding foil mounted to the back side.

Via the space inside, accruing seepage water or retained seepage water can be drained safely to the drainage pipe.

The sheet does not rot, it retains its shape and it is resistant to aggressive water and humic acid as well as against bacteria and fungi; it is harmless to drinking water and has a high compressive strength.

Technical Data

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| Material | dimpled membrane: PE-HD fleece: PP gliding foil: PE-LD (blue) |
| Surface | Side facing bitumen: blue gliding foil outside: protective fleece |
| Area weight | approx. 700 g / m ² |
| Compressive strength | approx. 400 kN / m ² |
| Dimple height | approx. 8 mm |
| Air volume between dimples | approx. 5.5 l / m ² |
| Water drainage capacity | approx. 3.3 l / (m x s) |
| Temperature resistance | - 30 °C to + 80 °C |

Field of application

KÖSTER SD Protection and Drainage Sheet is designed to protect buildings and construction members with ground contact after the application of waterproofing according to DIN 18195 with e. g. polymer-modified bitumen thick film sealants, cold self-adhesive bitumen membranes etc.

KÖSTER SD Protection and Drainage Sheet is used to pointedly drain the ground (prerequisite: non-cohesive soil) in the immediate vicinity of the building according to DIN 4095. The drainage is ensured by the functionality of the filter fleece which is attached to the filterbody.

Application

KÖSTER SD Protection and Drainage Sheet is laid loosely in front of the waterproofing. The upper connection can be made by attaching the sheet to wall connectors which were previously embedded into the masonry, or by using suited anchor systems or by using large headed steel nails.

To protect KÖSTER SD Protection and Drainage Sheets from unwanted entry of e. g. particles which can be washed out, the edges should be sealed using a polymer-modified bitumen thick film sealant. On the sides, the sealant should overlap the sheet by at least 5 cm. In the area of the fillet, cut the KÖSTER SD Protection and Drainage Sheet down to the drainage layer and bend it so that it fits into the curvature of the fillet toward the base slab. Make sure to connect the KÖSTER SD Protection and Drainage Sheet to the drainage pipe. The backfill material should be made of round gravel. Make sure that no sharp edged components are backfilled.

Packaging

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| Length of rolls: | 15 m |
| Width of rolls: | 2 m |

Storage

Store the material in a cool and dry place; it can be stored indefinitely.

Technical guidelines cited

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| KÖSTER polymer-modified thick film sealants | Product group 1 |
| KÖSTER Bikuplan® KSK membranes | Product group 10 |