

Platon DE25 Xtra

Water storage and drainage element for flat green roofs and pathways.

Description :

A specially developed dimpled sheet produced with recycled raw material that protects the underlying roof membrane. Grooves in the sheet ensure that water drains off and follows the roof's pitch on the substrate. Platon DE25 Xtra provides storage and drainage, and prevents flat green (planted) roofs from drying out.



Application :

Used as water storage and drainage element in green roof constructions. Will also act as protection layer for the underlying substrate. Can also be used as a drainage element under pedestrian pathways installed in gravel beds.

Installation :

The square dimpled design of the sheets makes them very easy to install. The sheets shall be laid horizontally with the cups facing up. The elements are laid either edge to edge or with overlapping. The sheets can be easily cut to size using a knife or scissors. Root-proof system must be used if directly beneath Platon DE25 Xtra in a green roof construction.

For more details see laying instruction on our website.

Storage :

Stacked on pallets. Protected against UV.

Approvals and guarantee



Platon DE25 Xtra 404204

| Product data | Value | Designation |
|-------------------|---------------|-------------|
| Thickness | 1 | mm |
| Width | 1132 | mm |
| Length in mm | 2255 | mm |
| Material | HDPE Recycled | - |
| Color | Black | - |
| Height of studs | 21 | mm |
| Weight (per unit) | 2808 | g |

| Properties | Method | Unit | Value |
|---|---------------------|------------------|-----------|
| Compression strength | EN ISO 25619-2 | kPa | 123 |
| Water storage capacity | - | l/m ² | 8,4 |
| Contact surface against roof membrane | - | % | 36 |
| Fill volume | - | l/m ² | 10,3 |
| Water flow capacity in the plane rigid/rigid (i = 0.01) | EN ISO 12958 | l/(m·s) | 0,49 |
| Water flow capacity in the plane rigid/rigid (i = 0.02) | EN ISO 12958 | l/(m·s) | 0,70 -0.3 |
| Water flow capacity in the plane rigid/rigid (i = 0.05) | EN ISO 12958 | l/(m·s) | 1,13 -0.4 |
| Water flow capacity in the plane rigid/rigid (i = 1,0) | EN ISO 12958 | l/(m·s) | 5,39 -1 |
| Tensile strength (d) MD | EN-ISO 10319 | kN/m | 6,88 -1 |
| Tensile strength (d) CMD | EN-ISO 10319 | kN/m | 7,30 -1 |
| Elongation At Maximum Tensile Force MD | EN-ISO 10319 | % | 74 ± 10 |
| Elongation At Maximum Tensile Force CMD | EN-ISO 10319 | % | 78 ± 10 |
| Dangerous Substances | No method available | - | None |
| Maximum time before coverage | EN ISO 12224 | Weeks | 2 |

