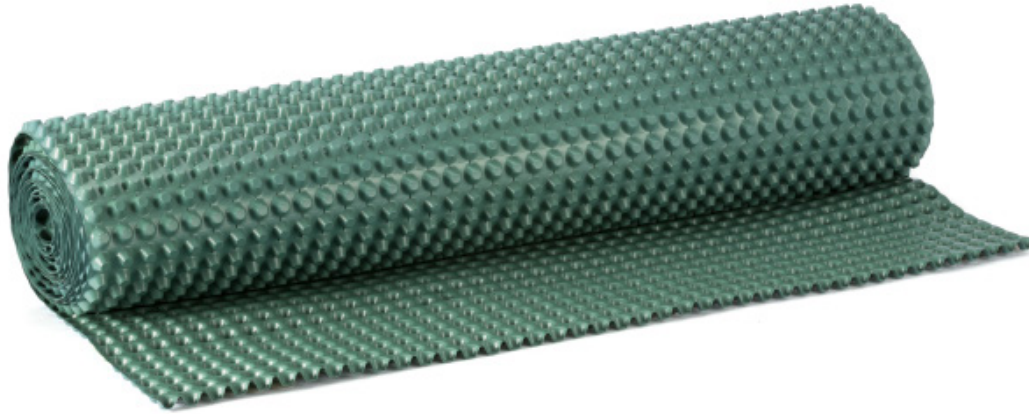


20MM NODULAR WATER RETENTION & DRAINAGE SHEET FOR LANDSCAPING & GREEN ROOF AREAS.



Easy
installation



Water
retention



Permanent
drainage



Protection
layer



Robust
solution



Suitable for
green roofs

DANODREN® R20 is a green nodular sheet, made of high density polyethylene (HDPE), with 20mm high nodules, equipped with overflows. Suitable for drainage and water retention of landscaped areas.

ADVANTAGES

- Simple, easy and fast installation.
- Large water reserve capacity.
- Provides a permanent drainage solution.
- High resistant to damage, impact and deformity.
- Remains unaffected by chemical agents found in the soil.
- Does not decay or rot over time.
- It facilitates the transformation of traditional concrete or paved surface areas into green spaces which can positively influence the urban microclimate.

USES

- Drainage, protection and water retention in conjunction with green roof solutions.
- Suitable for all building types.

METHOD OF APPLICATION

- Clean the support.
- Typically with regard to inverted thermally insulated roofs, the support is DANOPREN® TR XPS extruded polystyrene insulation, with a DANOFELT® PY 300 geotextile separating layer.
- Cold roof waterproofing solutions are typically built-up felt, PVC or Hot Met structural waterproofing systems which incorporate additional anti-root properties.
- For water retention purposes, DANODREN® R20 is installed on top of a geotextile protection layer separating the waterproofing from the drainage layer. An additional layer of DANOFELT® PY 300 geotextile is then loose laid on the top of the drainage layer to act as a filtration layer.
- It is recommended to water the cover once finished so that the DANODREN® R20 retains the water for first time.
- The topsoil is subsequently installed directly over the geotextile layer.
- Finish the green roof installation by laying the chosen sedum mat on to the topsoil.

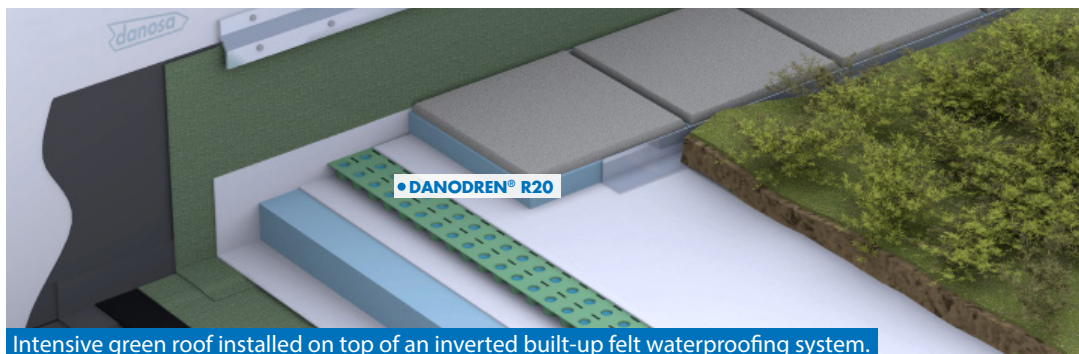
STORAGE RECOMENDATIONS

- Store in a dry place, protected from rain, sun and variable temperatures.
- DANODREN® JARDIN is not toxic or flammable.
- Not to be used as a substitute for a waterproofing layer.

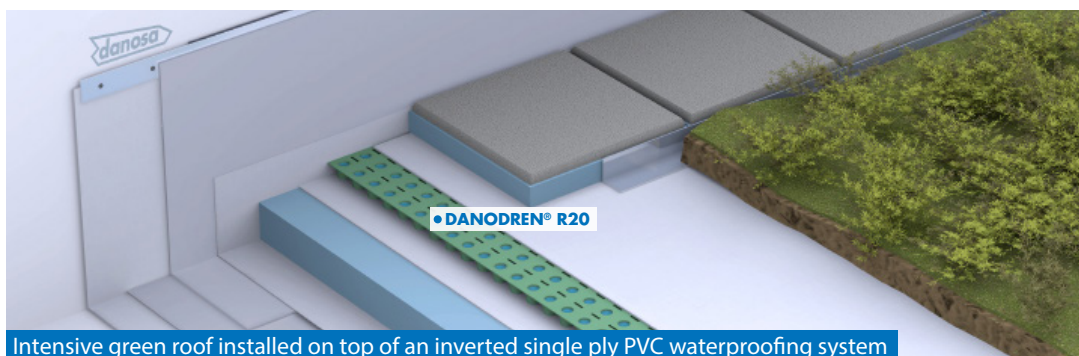
PRODUCT DETAILS

Product name	Rolls/pallet	Compression resistance (kN/m ²)	Water retention capacity (l/m ²)	Drainage capacity (l/m-s)
DANODREN® R20 2,00 x 20 m	5	100±20%	5.67	10 - 2

EXAMPLE SOLUTIONS



Intensive green roof installed on top of an inverted built-up felt waterproofing system.



Intensive green roof installed on top of an inverted single ply PVC waterproofing system

