



# PROCTORGEO D-Rain DC20 Reservoir

HDPE water storage and drainage sheet



Properties	Test method	Result (tolerance)
Compression resistance		>150 kPa (-10%)
Total thickness	EN 9863-1	20 mm (±10%)
Total weight	EN 965	1000 g/m <sup>2</sup> (±5%)
Tensile Strength	EN 10319	6 kN/m (-2)
Elongation MD/CD	EN 10319	>20/25% (±15%)
Drainage flow capacity - Horizontal		2.5 l/m.s
Water retention capacity		5.8 l/m <sup>2</sup>

## Product Description

ProctorGeo D-Rain DC20 Reservoir (DC20-R) is a 20mm moulded thermoformed HDPE sheet that can store rainwater in storage cells and drain off excess water below the sheet via drainage slots.

## Applications

D-Rain DC20-R has been developed especially for flat/low pitched landscaped and extensive green roofs, to offer both rainwater storage and drainage.

## Installation

D-Rain DC20-R should be installed in accordance with the supplied installation guide. DC20-R is usually installed above to the waterproof membrane in and in conjunction with the ProctorGeo HC8-2G high void ratio monofilament drainage geo-composite.

## Benefits

- Efficient drainage and water storage system for green roofs.
- Added water storage can reduce the depth and weight (roof loading) of soil required.
- Compressive strength permits usage in moderate load-bearing situations of up to 150kPa/m<sup>2</sup>
- Wide rolls can be rolled out for rapid installation.

## Durability

D-Rain DC20-R is not a waterproofing membrane and may be damaged by careless handling, high winds or vandalism, and should not be left uncovered for longer than is absolutely necessary. Any damaged areas should be replaced before completion.

## Health and Safety

All proper safety measures should be taken during installation and all relevant OH&S and statutory regulations must be followed.

## Product Performance

The details supplied here are based upon good practice and currently available information. Users are advised to make their own determination as to the suitability of this information in relation to their particular purpose and specific requirements. Please contact us to discuss your project as products with higher compressive resistance and/or drainage flow capacity are available.

## Sample Specification

Water storage and drainage sheet should be ProctorGeo D-Rain DC20-R installed in accordance with the product user guide.

- Compression Resistance >150 kPa
- Horizontal drainage flow capacity 2.5 l/m.s
- 5.8 l/m<sup>2</sup> water retention capacity

Available from DCTech/Proctor Group Australia.  
[www.proctorgroup.com.au/contact/](http://www.proctorgroup.com.au/contact/)

## Dimensions & Packaging

Product	Roll Width	Roll Length	Roll Area	Rolls per pallet
ProctorGeo D-Rain DC20-R	2m	20m	40m <sup>2</sup>	5 rolls