Pro-Living®
Drainage Layer

Product Datasheet | v2 | January 2026

Product Details

Product name	**Pro-Living® Drainage Layer**
Product type	Drainage membrane

Product Description

Pro-Living® Drainage Layer is a water storing, perforated dimpled membrane.

Made from deep-drawn recycled high-density polyethylene (HDPE) with water reservoir function, channel system on the underside for drainage, and with diffusion and drainage holes. The perforations in the **Pro-Living® Drainage Layer** prevents a film of water from forming on inverted roof insulation.

Application

Pro-Living® Drainage Layer is appropriate for the following roof types:

- Extensive green roofs
- Sedum roofs
- Wildflower roofs
- Biodiverse roofs
- Inverted roofs

Pro-Living® Drainage Layer is suitable for use with the following waterproofing membranes:

- Cold Melt®
- Proteus Pro-Cold®
- Proteus Hot Melt®
- Proteus Pro-Felt® Ultima Plus
- Proteus Pro-Felt® Endura

Installation

Surface preparation

- The already waterproofed surface must be cleared of any debris and thoroughly cleaned to prevent damage to the waterproofing membrane after laying the **Pro-Living® Drainage Layer**
- To protect the waterproofing membrane, **Low-K Water Reducing Layer** should be laid before installing the **Pro-Living® Drainage Layer**

Installation method

- **Pro-Living® Drainage Layer** should be rolled out and laid horizontally with the flat surface facing upwards
- Overlay the dimpled membranes by **10cm** (two rows of dimples)
- The dimpled membrane can be carefully cut to the required length with a knife
- If extending laid membranes, the connecting membrane is pushed under at least **20cm** from below
- The horizontal overlaps must be in the direction of the water flow. On rising components, the **Pro-Living® Drainage Layer** should be raised at least **10cm** (2 rows of dimples)
- Once the **Pro-Living® Drainage Layer** is fully installed, **Pro-Living® Filter Fleece** is laid as a filter layer over the entire surface
- To prevent the spread of fire into, or from a building on to the green roof, a fire break of **30cm** width is required around all perimeters and penetrations. The fire break should be increased to **50cm** where there are openings to the building

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SIZE, FINISH AND COLOUR

Product Code	Product	Width m	Length m	Height mm	Colour
GRDR08	Pro-Living® DR8 Drainage Layer	2	20	8	Black
GRDR20	Pro-Living® DR20 Drainage Layer	2	20	20	Black
GRDR40	Pro-Living® DR40 Drainage Layer	1	2	40	Black
GRDR60	Pro-Living® DR60 Drainage Layer	1	2	60	Black

TECHNICAL INFORMATION

Pro-Living® DR8 Drainage Layer		
Characteristic	**Value**	**Unit**
Dimple Height	8	mm
Number of Dimples	1710	dimples/m²
Compressive Strength	250	kN/m²
Temperature Resistance	-30 to 80	°C
Reaction to Fire	E	-

Pro-Living® DR20 Drainage Layer		
Characteristic	**Value**	**Unit**
Dimple Height	20	mm
Total Weight	1000	g/m²
Number of Dimples	400	dimples/m²
Compressive Strength	180	kN/m²
Water Draining Capacity	9	L/s·m
Water storage	6	L/m²
Air Volume Between Dimples	14	L/m²
Temperature Resistance	-30 to 80	°C
Water Permeability	100	10-3 m/s
Reaction to Fire	E	-

Pro-Living® DR40FP Drainage Layer		
Characteristic	**Value**	**Unit**
Dimple Height	40	mm
Material Thickness	1.50	mm
Total Weight	2.20	kg/m²
Number of Dimples	164	dimples/m²
Compressive strength	200	kN/m²

Water Draining Capacity I = 1.00	4.30	l/s·m
Water Draining Capacity I = 0.10	3.78	l/s·m
Water Storage	15	l/m²
Temperature Resistance	-30 to 80	°C
Reaction to Fire	E	-

Pro-Living® DR60 Drainage Layer		
Characteristic	**Value**	**Unit**
Dimple Height	60	mm
Material Thickness	1.50	mm
Total Weight	2.50	kg/m²
Number of Dimples	130	dimples/m²
Compressive Strength	200	kN/m²
Water draining Capacity I = 1.00	4.48	l/s·m
Water Draining Capacity I = 0.10	3.86	l/s·m
Water Storage	20	l/m²
Temperature Resistance	-30 to 80	°C
Reaction to Fire	E	-

SHELF LIFE AND HANDLING

Protect against prolonged exposure to direct sunlight and temperatures over **25°C**.
Always use relevant safe manual handling techniques relevant to a products size and weight.

MATERIAL

High-density polyethylene (HDPE).

PACKAGING

Wrapped in UV light-proof wrap.

LIMITATIONS OF USE

For professional use only.

GUARANTEES

Defects arising from lack of maintenance or abnormal use may fall outside of the cover of the Proteus Waterproofing guarantee.

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DISPOSAL

Disposal of **Pro-Living® Drainage Layer** should be done in a manner that is compliant with UK regulations and best practices. This includes ensuring that the material is properly classified and described, that it is not mixed with hazardous waste, and that it is disposed of in a manner that is environmentally responsible.

GUIDELINES AND STANDARDS

It is the responsibility of the Contractor to thoroughly familiarise themselves with all relevant Codes of Practice and Building Regulations to the works or referred in the specification.

Proteus Waterproofing take no responsibility for misinterpretation or lack of knowledge for third parties.

The works shall be carried out in accordance with the requirements of:

- **BS 6229** Flat roofs with continuously supported flexible waterproof coverings - Code of practice
- **BS 8217** Reinforced bitumen membranes for roofing - Code of practice
- **BS 8000-0** Workmanship on construction sites - Introduction and general principles
- **BS 8000-4** Workmanship on building sites - Code of practice for waterproofing
- **LRWA** Design Guide for Specifiers
- **S2T** Safe to Torch
- **GRO** Code of Best Practice

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