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a.b.e.® Construction Chemicals

abe.®drain 20 P Perforated

DIMPLED HIGH DENSITY POLYETHYLENE PROTECTION MEMBRANE WITH PERFORATIONS

DESCRIPTION

abe.®drain 20 P is a dimpled high density polyethylene (HDPE) membrane with 20 mm dimples including perforated slots.

USES

abe.®drain 20 P is used as drainage and protection membrane for roof gardens and planter boxes in conjunction with a geotextile and a waterproofing membrane such as **Index Defend H**. The dimples retain water and excess water is drained away thereby preventing water stagnation.

ADVANTAGES

- Good value.
- General purpose.
- Water retention.
- Water resource savings.
- Protection of the waterproofing membrane.
- Secondary waterproofing system.
- Thermal insulation.
- Excellent drainage capacity.

HORIZONTAL APPLICATION

The surface area must be waterproofed according to **a.b.e.® Construction Chemicals** specification. This is not a primary waterproofing membrane but is recommended for buried dual layer system applications. The first layer consisting of a 3 mm **abe.® unigum** torch followed by an antiriot bituminous membrane **Index Defend H**. Lay **abe.®drain 20 P** in place with the dimples facing downwards. Should it be necessary to overlap, then 150 mm would be sufficient. Apply **super laykold waterproofing tape** 100 mm wide along the flat part of the product for this purpose. Where required place a geotextile membrane loosely on top of the **abe.®drain 20 P** before spreading out the soil. This is important as the soil would otherwise fill the dimples and thereby reduce water drainage. Spread out the soil according to the instructions of a qualified landscaper.

CAUTIONARY NOTE

- Do not butt-joint sheets.

COVERAGE

Install **abe.®drain 20 P** as supplied using an overlap of 150 mm between the sheets resulting in an overall coverage of 35 m² per roll.

MODEL SPECIFICATION

The drainage and protection membrane will be **abe.®drain 20 P**, a dimpled high density polyethylene membrane as supplied by **a.b.e.® Construction Chemicals**.

The **abe.®drain 20 P** will be applied in accordance with the recommendations of **a.b.e.® Construction Chemicals**.

ACCESSORIES

In order to guarantee the quality and characteristics of the **abe.®drain 20 P** product, it is recommended to use the range of accessories specifically studied for each purpose. Please consult the technical department at **a.b.e.® Construction Chemicals**.

PACKAGING

abe.®drain 20 P is supplied 5 rolls per pallet and wrapped for protection.

HANDLING & STORAGE

The product has no expiry date. Keep out of direct sunlight for extensive periods. No heavy loads are to be placed or packed on top of the product.

HEALTH & SAFETY

No known hazards.

IMPORTANT NOTE

This data sheet is issued as a guide to the use of the product(s) concerned. Whilst **a.b.e.® Construction Chemicals** endeavours to ensure that any advice, recommendation, specification or information is accurate and correct, the company cannot - because **a.b.e.®** has no direct or continuous control over where and how **a.b.e.®** products are applied - accept any liability either directly or indirectly arising from the use of **a.b.e.®** products, whether or not in accordance with any advice, specification, recommendation, or information given by the company.

FURTHER INFORMATION

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements.

PHYSICAL AND MECHANICAL CHARACTERISTICS	REFERENCE NORM	UNIT	TOLERANCE	PROPERTIES
abe®drain 20 P		Colour		Black
Total Weight	EN 9864	g/m ²	±15%	1000
Total thickness	EN 9863-1	mm	±10%	20
Compression resistance		kPa	±20%	150
Tensile strength MD/CMD	EN 10319	kN/m	-20%	9/9
Elongation at maximum load MD/CMD	EN 10319	%	±25%	25/25
Drain flow capacity - Horizontal application	EN 12958 (M/R, 20kPa, i=0,4)			2,5
Drain flow capacity - Vertical application	EN 12958 (M/R, 20kPa, l=1)			10
Water storage capacity		L/m ²	±10%	5
Packaging dimensions				
Roll width		m	±3%	2
Roll length		m	±2%	20
Rolls per pallet		No.		5

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a.b.e.® is an ISO 9001:2015 registered company
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