



tradition • innovation • quality

a.b.e.® Construction Chemicals

abe.®drain G Geotextile

DIMPLED HIGH DENSITY POLYETHYLENE PROTECTION AND DRAINAGE MEMBRANE WITH A POLYESTER GEOTEXTILE LAYER

DESCRIPTION

abe.®drain G is a dimpled high density polyethylene protection and drainage membrane combined with a polyester geotextile layer which offers great resistance to all chemical agents usually found in soil and groundwater and to mechanical compression.

USES

abe.®drain G is used to effectively drain water in roof gardens and planters in conjunction with a geotextile and protective membrane such as **Index Defend H**. Other uses are:

- Tanking
- Retaining walls

ADVANTAGES

- General purpose.
- Good value.
- Resistant to chemicals usually found in soil and groundwater.
- Anti-root.
- Protection of waterproofing membrane.
- Excellent drainage capacity.
- Thermal insulation.
- Extra strength.
- Secondary waterproofing system.

CAUTIONARY NOTE

- Do not butt-joint sheets.

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 4 mm torch-on will be **abe.® unigum** followed by an antiriot bituminous membrane such as **Index Defend H**. Lay the **abe.®drain G** with the dimples upwards. Should it be necessary to overlap then 75 mm would be sufficient (3 dimples). Apply **super laykold waterproofing tape** 100 mm wide along the flat part of the product for this purpose. Spread out the soil according to the instructions of a qualified landscaper.

VERTICAL APPLICATIONS

For the drainage and protection of walls:

The surface area must be waterproofed with **Index Fidia P/ Indextene** according to **a.b.e.® Construction Chemicals** specification. Ensure that the waterproofing membrane is completely covered with **abe.®drain G** for maximum protection. Measure the height of the wall including a flap which must be folded back and wrapped around the drainage pipe. Allow an additional 100 mm above the finished ground level before cutting the sheet. Should it be necessary to overlap then 75 mm would be sufficient (3 dimples).

Apply **super laykold waterproofing tape** 100 mm wide along the flat part of the product for this purpose. Install the sheet with the dimples and the geotextile towards the soil. To join the drainage pipe to the inside of the geotextile, detach the geotextile from the **abe.®drain G** up to 1 metre in height. Place the drainage pipe on the **abe.®drain G** after having first placed a layer of drainage material under the pipe. Wrap the detached geotextile under the pipe. Cover the pipe with some drainage material to keep everything in place before backfilling. Finish off the **abe.®drain G** at least 100 mm above the finished ground level and cover with a counter flashing.

COVERAGE

Install **abe.®drain G** as supplied using an overlap of 75 mm between the sheets resulting in an overall coverage of 45 m² per roll.

MODEL SPECIFICATION

The drainage and protection membrane will be **abe.®drain G** a dimpled high density polyethylene protection and drainage membrane with a polyester geotextile layer as supplied by **a.b.e.® Construction Chemicals**.

The **abe.®drain G** 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 G** product, it is recommended to use the range of accessories. Please consult the technical department at **a.b.e.® Construction Chemicals**.

PACKAGING

abe.®drain G is supplied 6 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** endeavors 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 G		Colour		Black
Geotextile weight	EN 9864	g/m ²	±15%	100
Total Weight	EN 9864	g/m ²	±15%	600
Total thickness	EN 9863-1	mm	±10%	8
Compression resistance		kPa	±20%	>200
Tensile strength MD/CMD	EN 10319	kN/m	-20%	10/10
Elongation at maximum load MD/CMD	EN 10319	%	±25%	50/50
Drain flow capacity - Horizontal application	EN 12958 (M/R, 20kPa, i=0,4)			0,30
Drain flow capacity - Vertical application	EN 12958 (M/R, 20kPa, l=1)			1,9
Packaging dimensions				
Roll width		m	±3%	2,4
Roll length		m	±2%	20
Rolls per pallet		No.		6

DATE UPDATED: 28/06/2021

a.b.e.® is an ISO 9001:2015 registered company
 Registration Number: 1982/005383/07
 101 Main Reef Road, Boksburg North, 1459
 PO Box 5100, Boksburg North, 1461

a.b.e.® Construction Chemicals (Pty) Ltd
 is a CHRYSO Group Company

