



SAINT-GOBAIN

abedrain®
(8mm)

**DIMPLED HIGH DENSITY
POLYETHYLENE PROTECTION
MEMBRANE**

DESCRIPTION

abedrain® is a dimpled high density polyethylene (HDPE) protection membrane which offers high resistance to all chemical agents usually found in soil and groundwater and to mechanical compression.

USES

abedrain® is used to protect bituminous membranes in walls, basements and foundations. The product can also be used as separation layers where controlled water flow is required.

Other uses are:

- Terraces
- Flat roofs
- Roof gardens
- Tanking

ADVANTAGES

- General purpose product
- Good value
- A wide range of applications
- Lightweight for easy application
- Resistant to chemicals usually found in soil and groundwater
- Can be used vertically
- Resistant to mechanical compression
- Anti root barrier
- Ventilation
- Excellent drainage capacity

VERTICAL APPLICATION

The protection of walls:

The surface area must be waterproofed according to **a.b.e.®** specification. We recommend the application of heat infused membranes in accordance with **a.b.e.®** specification. Ensure that the waterproofing membrane is completely covered with **abedrain®** 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. Fix the sheet just above the waterproofing membrane with the dimples towards the wall being careful not to damage the waterproofing membrane. The space between the dimples and the wall creates an air chamber allowing air movement to keep the wall dry. Should it be necessary to overlap the sheets 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. Place the drainage pipe on the **abedrain®** after having first placed a layer of drainage material under the pipe.

Cover the pipe with some drainage material to keep everything in place before backfilling. Finish off the **abedrain®** at least 100 mm above the finished ground level and cover with a counter flashing.

HORIZONTAL APPLICATION

For the protection of roof gardens:

The surface area must be waterproofed according to **a.b.e.®** 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 torch-on will be **abedex® unigum** followed by an antiroot bituminous membrane such as **abedex® AR**. Lay **abedrain®** with the dimples facing upwards. Should it be necessary to overlap, then 75 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 **abedrain®** 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.

For the protection of flat roofs and terraces:

We recommend applying a suitable waterproofing membrane such as **abedex® unigum** prior to laying **abedrain®**. On top of the bituminous membrane lay **abedrain** with the dimples upwards. Should it be necessary to overlap, then 75 mm would be sufficient. Apply **super laykold® waterproofing tape** 100 mm wide along the flat part of the product for this purpose. Place the finishing layer of gravel or concrete tiles on top of **abedrain®**.

CAUTIONARY NOTE

Do not butt-joint sheets.

COVERAGE

Install **abedrain®** as supplied using an overlap of 75 mm between the sheets resulting in an overall coverage of 46,5 m² per roll.

MODEL SPECIFICATION

The protection membrane will be **abedrain®**, a dimpled high density protection polyethylene membrane as supplied by **a.b.e.®**. The **abedrain®** will be applied in accordance with the recommendations of **a.b.e.®**.

product, it is recommended to use the range of accessories specifically studied for each purpose. Please consult the technical department at **a.b.e.**®

PACKAGING

abedrain® is supplied 12 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.

ACCESSORIES

In order to guarantee the quality and characteristics of the **abedrain**®

IMPORTANT NOTE

This data sheet is issued as a guide to the use of the product(s) concerned. Whilst **a.b.e.**® endeavours to ensure that any advice, recommendation, specification or information is accurate and correct, the company cannot accept any liability for application – because **a.b.e.**® has no direct or continuous control over where and how **a.b.e.**® products are applied.

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.

a.b.e.® has a wealth of technical and practical experience built up over the years in the company's pursuit of excellence in building and construction technology.

Please consult our website for our latest datasheets.

| PHYSICAL AND MECHANICAL CHARACTERISTICS | REFERENCE NORM | UNIT | TOLERANCE | PROPERTIES |
|---|----------------|------------------|-----------|-------------|
| abedrain ® | | Colour | | Black |
| Total Weight | EN 9864 | g/m ² | ±15% | 500 |
| Total thickness | EN 9863-1 | mm | ±10% | 7,5 |
| Compression resistance | | kPa | ±20% | >200 |
| Short width Tensile strength MD/CMD | EN 10319 | kN/m | -20% | >250 / >250 |
| Elongation at maximum load MD/CMD | EN 10319 | % | ±25% | >20 / >20 |
| | | | | |
| Packaging dimensions | | | | |
| Roll width | | m | ±3% | 2,4 |
| Roll length | | m | ±2% | 20 |
| Rolls per pallet | | No. | | 12 |

DATE UPDATED: 15/11/2023

a.b.e.® is an ISO 9001:2015 registered company
Call: (+27) 860 223 773 | (+27) 11 306 9000
www.abe.co.za

