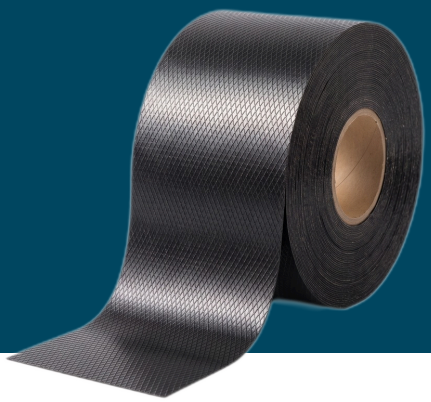
UNIPROOF DPC

POLYETHYLENE DAMP PROOF COURSE



Product Features

UNIPROOF DPC is a high-performance polyethylene damp-proof course designed to prevent moisture ingress in building structures. It is essential for new construction to prevent rising damp and, in certain cases, penetrating damp. The embossed surface enhances mortar adhesion for reliable installation in both horizontal and vertical applications.

Advantages

- Prevents Rising And Penetrating Damp
- Embossed Surface Bonds Well With Mortar
- For Horizontal And Vertical Installation
- Non-Toxic And Clean To Handle
- Tested By SIRIM QAS International To ASTM D412

Fields of Application

- Horizontal damp proof course in brick and block walls
- In masonry walls below coping where the coping is non-impervious
- Concealed flashing around internal walls, door frames and windows
- Suspended timber ground floors, between timber and damp materials

Health & Safety

UNIPROOF DPC presents no health hazard in normal handling and use. Keep it away from open flames and sources of ignition.

Shelf Life & Storage

Store rolls in their original packaging in a dry, covered area, away from direct sunlight, heat, sharp objects and chemicals. Store horizontally on a flat surface and do not stack heavy loads on them.

This technical data sheet is given in good faith and does not guarantee the application work.
All Unity Reliance technical data sheets & method statements are updated on a regular basis and can be subject to change without notice.
It is the user's responsibility to obtain the latest version of the information required.

© 2026 Unity Reliance (M) Sdn Bhd. All rights reserved. Unauthorised reproduction, or use for other brands, is prohibited.

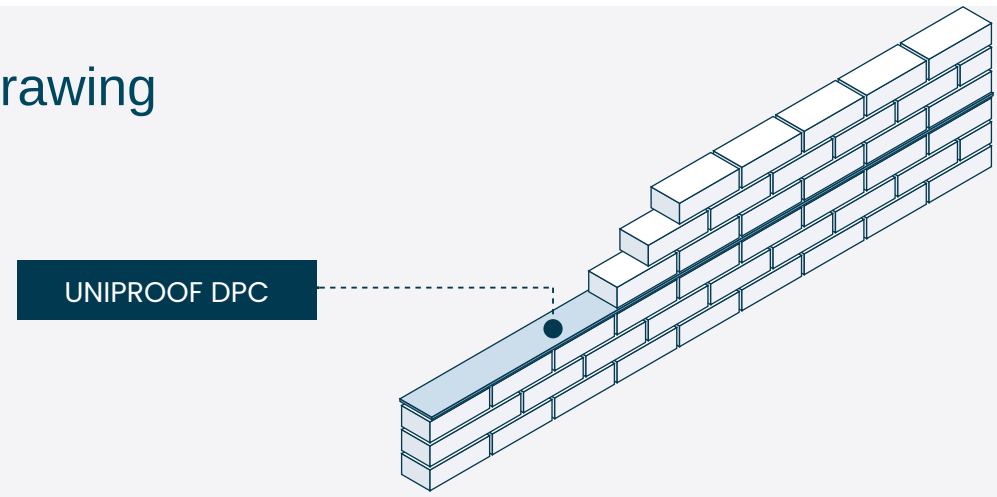
Technical Properties

Property	Test Method	Unit	Result
Tensile Strength			
- Machine Direction	ASTM D412	MPa	> 20
- Cross Direction	ASTM D412	MPa	> 18
Elongation at Break			
- Machine Direction	ASTM D412	%	> 600
- Cross Direction	ASTM D412	%	> 600

Physical Properties

Material	:	Polyethylene (PE)
Thickness	:	0.5 mm (500 micron)
Roll Size	:	110 / 150 / 230 mm wide x 30 m long
Colour	:	Black
Packing	:	110 mm: 12 rolls/box | 150 mm: 8 rolls/box | 230 mm: 8 rolls/box

Typical Drawing



This technical data sheet is given in good faith and does not guarantee the application work.
All Unity Reliance technical data sheets & method statements are updated on a regular basis and can be subject to change without notice.
It is the user's responsibility to obtain the latest version of the information required.

© 2026 Unity Reliance (M) Sdn Bhd. All rights reserved. Unauthorised reproduction, or use for other brands, is prohibited.

Installation Procedures

1 Preparation | 2 Application

Step 1

PREPARATION

Lay **UNIPROOF DPC** on a level, freshly prepared bed of cement mortar across the **full width of the wall**. Choose the roll width to suit the wall: **110, 150 or 230 mm**. The 230 mm width covers a full-brick wall in one piece, without a longitudinal lap.

Remove projecting stones, mortar droppings and debris from the bed so that nothing can puncture the DPC.

Step 2

APPLICATION

Unroll **UNIPROOF DPC** onto the mortar bed, keeping it flat and centred on the wall. Lap by at least **150 mm** at all end joints, corners and intersections.

Apply a fresh mortar bed immediately over the installed **UNIPROOF DPC** before laying the next brick course, so that the bricks, mortar and membrane bond together.

Take care during bricklaying to prevent tears and punctures. Repair any damage with a patch of **UNIPROOF DPC** lapped at least 150 mm beyond the damaged area.

Important Note / Special Note

- Not suitable for use with solvent-based adhesives or bituminous compounds that may degrade polyethylene.

This technical data sheet is given in good faith and does not guarantee the application work.
All Unity Reliance technical data sheets & method statements are updated on a regular basis and can be subject to change without notice.
It is the user's responsibility to obtain the latest version of the information required.

© 2026 Unity Reliance (M) Sdn Bhd. All rights reserved. Unauthorised reproduction, or use for other brands, is prohibited.



No.135B, Jalan Kip 8,
Kawasan Perindustrian Kepong
52200 Kuala Lumpur

(+60) 3-6734 7941
(+60) 10-785 1159

enquiry@unityreliance.com
https://www.unityreliance.com

© 2026 Unity Reliance (M) Sdn Bhd. All rights reserved. Unauthorised reproduction, or use for other brands, is prohibited.