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UNITY
RELIANCE



Waterstop &
Waterproofing System

UNIPROOF

UNIPROOF DPM

DAMP PROOF MEMBRANE POLYETHYLENE SHEET



Product Features

UNIPROOF DPM is a polyethylene damp proof membrane laid under ground-floor slabs and foundations as a vapour and moisture barrier. It stops ground moisture from rising into the slab, protecting floor finishes and reducing the risk of mould and damp.

It is available in three grades: **UNIPROOF DPM** (standard, recycled LDPE) for general slab and site use, **UNIPROOF DPM HD** (heavy duty, 0.5 mm and above) for demanding sub-bases, and **UNIPROOF DPM VG** (virgin-grade polyethylene) where a clean, consistent film and colour options are required.

The sheet can also be laid over fresh concrete to retain moisture during curing.

Advantages

Superior Vapour & Moisture Protection	All-Weather Protection
Mould & Fungus Barrier	Eco-Friendly Recyclable Material
Concrete Curing & Crack Control	High Chemical Resistance
Debris, Stain & Impact Resistance	Tear & Puncture Resistance

Fields of Application

- Ground Floor Screed & Flooring Protection
- Concrete Curing & Surface Protection
- Temporary Weather Protection Enclosures
- Temporary Glazing & Openings Protection
- On-Site Equipment & Material Covers

Polyethylene is not recommended for contact with aromatic or chlorinated solvents, petroleum products or strong oxidising acids. Consult Unity Reliance before use on contaminated ground.

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Technical Properties

UNIPROOF DPM (Standard)	Test Method	Result
Grab Strength	ASTM D4632	> 130 N
Elongation at Break	ASTM D4632	> 40 %
Puncture Resistance	ASTM D4833	> 40 N

UNIPROOF DPM HD (Heavy Duty)	Test Method	Result
Tensile Strength, MD	ASTM D412	> 20 MPa
Tensile Strength, TD	ASTM D412	> 20 MPa
Elongation at Break, MD	ASTM D412	> 850 %
Elongation at Break, TD	ASTM D412	> 900 %

UNIPROOF DPM VG (Virgin Grade)	Test Method	Result
Tensile Strength, MD	ASTM D882	11.70 MPa min
Tensile Strength, TD	ASTM D882	8.30 MPa min
Elongation at Break, MD	ASTM D882	350 % min
Elongation at Break, TD	ASTM D882	400 % min
Dart Drop Impact	ASTM D1709	1000 g min

MD = machine direction, TD = transverse direction.

Physical Properties

Property	DPM	DPM HD	DPM VG
Material	Recycled LDPE	Recycled LDPE	Virgin-grade PE
Colour	Milky white	Milky white	Plain / Blue / Black / Orange
Roll Size	12 ft x 180 ft	2 m x 25 m	12 ft x 180 ft
Thickness	0.125 - 0.30 mm	0.5 mm & above	0.125 - 0.5 mm
Weight	By thickness	By thickness	By thickness

Other thicknesses, sizes and colours are available on request.

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Installation Procedures

1 Preparation | 2 Application

Step 1
PREPARATION

Prepare the sub-base so that it is level, well compacted and free from sharp stones, projections and standing water. A layer of sand blinding or lean concrete is recommended to protect the membrane.

Step 2
APPLICATION

Unroll **UNIPROOF DPM** over the prepared surface, taking care not to stretch or puncture the sheet. Overlap adjacent sheets by not less than 150 mm and seal all laps with a suitable jointing tape.

Turn the membrane up at the edges and around penetrations to above the finished slab level, and seal it to ensure continuity. Repair any tears or punctures immediately with a patch of the same membrane, overlapping the damage by at least 150 mm on all sides and taped on all edges.

Take care when placing reinforcement, using suitable spacers so that the membrane is not damaged. Place the concrete as soon as possible after laying to avoid damage to the sheet.

Shelf Life & Storage

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

Health & Safety

UNIPROOF DPM presents no health hazard in normal handling and use. The sheet is slippery when wet, so take care when walking on it, and keep it away from open flames and sources of ignition.

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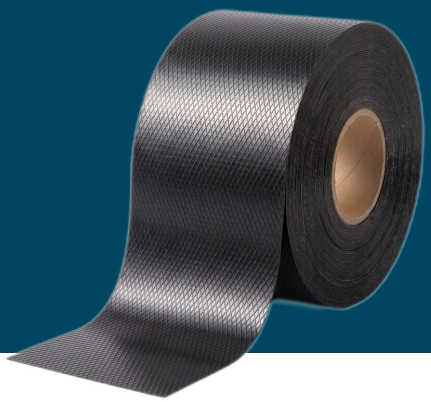
UNIPROOF DPC

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.

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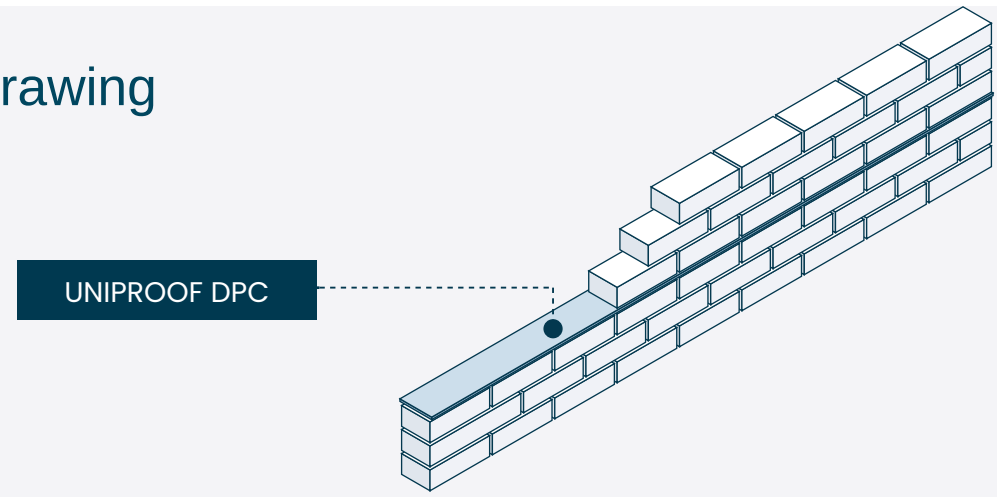
Technical Properties

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



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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.

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UNIPROOF BITU-M

TORCH-ON POLYMER-MODIFIED BITUMINOUS MEMBRANE



Product Features

UNIPROOF BITU-M is a high-performance, polymer-modified bituminous waterproofing membrane engineered to provide reliable long-term moisture protection in exposed environments. Surfaced with reflective natural color slates, it delivers maximum resistance against harmful UV radiation and weathering. The integrated mineral slate finish provides durable mechanical protection against light foot traffic and occasional maintenance work while creating a visually pleasing aesthetic surface.

Designed as a versatile overlay system, **UNIPROOF BITU-M** can be installed directly over existing substrate surfaces, delivering a highly economical, efficient, and long-lasting solution for repairing leaking roofs and waterproofing new structures.

Advantages

High resistance to positive water & vapor pressure
Good dimensional stability under tension
Good flexibility to accommodate structural movements
High puncture, fatigue, and heat resistance
Resists water borne chemicals

Fields of Application

Roof Repairs & Re-roofing	Exposed Flat Roofs
Parapet Walls & Copings	Pitched & Sloped Roofs
Balconies & Roof Terraces	Gutters & Drainage Channels
Precast & Metal Deck Roofs	Residential Roof Decking
Canopies & Overhangs	Commercial & Industrial Roof Decks

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Physical Properties

Material	:	Polymer Modified Bituminous Membrane
Appearance	:	Black Grey
Weight	:	UNIPROOF BITU-M **:** 35 kg & 60kg / roll
Thickness	:	3.5 & 4.5mm
Size & Packing	:	UNIPROOF BITU-M **:** 1m x 10m roll **UNICOAT BITUMEN 300 :** 20 litres / pail

Technical Properties

Property	Test Method	Values
Thickness, (mm)	DIN EN 1849 - 1	3.5 / 4.5
Mass per unit area, (kg/m²)	DIN EN 1849 - 1	3.4 - 3.7 / 5.5 - 6.2
Reinforcement (g/m²)	EN 29073 - 1	220
Coating asphalt		Polymer-modified bitumen
Softening point (R&B), (°C)	ASTM D 36	> 115
Penetration @ 25°C, (0.1mm)	ASTM D 5	12 - 22
Tensile strength (L/T), (N/5cm)	DIN EN 12311 - 1	350/ 500
Elongation @ break (L/T), (%)	DIN EN 12311 - 1	25 / 35
Shear resistance at joints (L/T), (N/5cm)	DIN EN 12317 - 1	300 / 400
Tear resistance (L/T), (N)	DIN EN 12310 - 1 ASTM D 5147	130 / 150 ≥ 400 / ≥ 500
Resistance to static loading	DIN EN 12730	Static : L25
VOC (g/L)	ASTM D 3960 / D 2369	< 50
Tensile strength (L/T), (kN/m)	ASTM D 5147	≥ 15 / ≥ 18
Elongation @ break (L/T), (%)	ASTM D 5147	≥ 45 / ≥ 40
Puncture resistance, (N)	ASTM E 154	≥ 650

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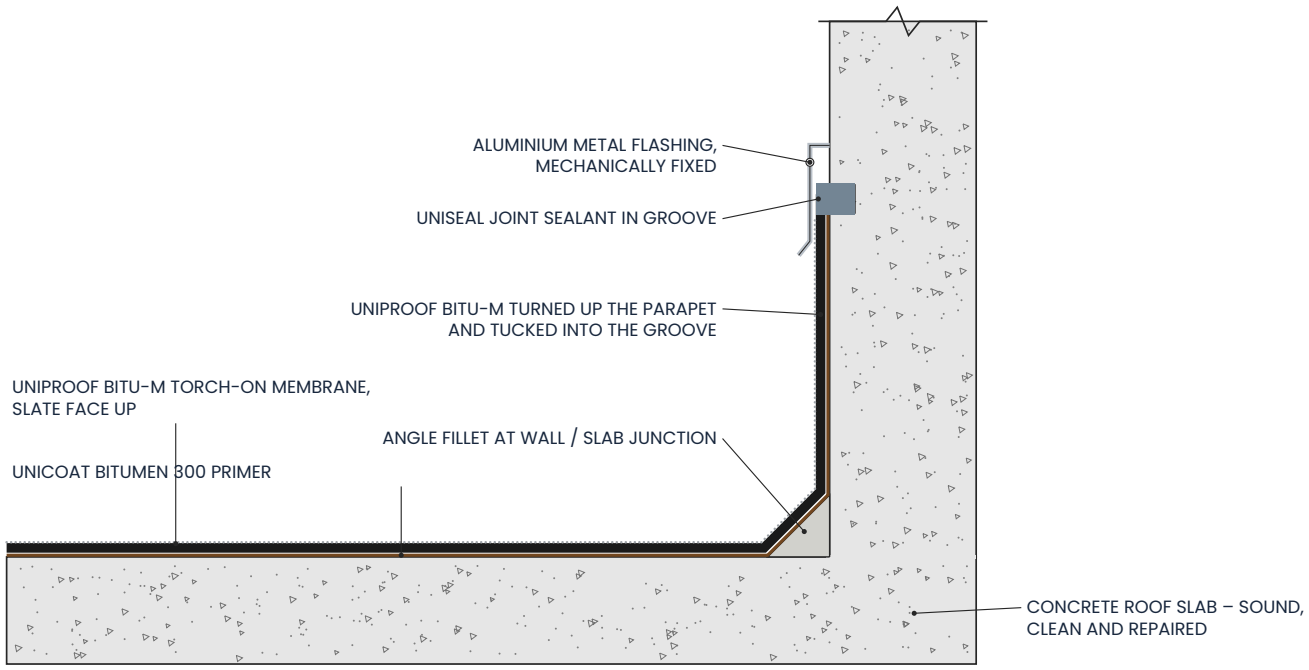
Typical Drawing

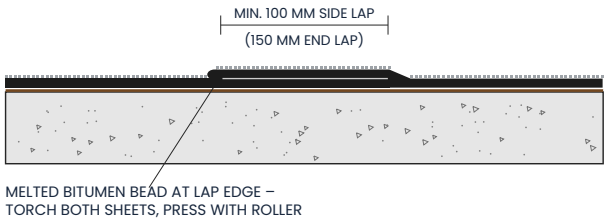
1 PARAPET UPSTAND

Section – not to scale



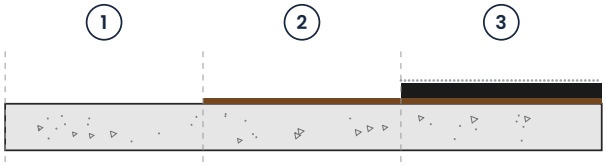
2 MEMBRANE LAP JOINT

Section – not to scale



3 ROOF BUILD-UP

Stepped section – not to scale



1. CONCRETE SLAB – CLEAN, SOUND, NO STANDING WATER
2. UNICOAT BITUMEN 300 PRIMER, LEFT TO TOUCH-DRY
3. UNIPROOF BITU-M TORCHED ON, SLATE FACE UP

LEGEND

- UNIPROOF BITU-M membrane
- UNICOAT BITUMEN 300 primer
- UNISEAL joint sealant
- Aluminium metal flashing
- Angle fillet
- Concrete

GENERAL NOTES

1. Prime with UNICOAT BITUMEN 300 and lay the membrane once it is touch-dry.
2. Start from the lowest point or drains so that laps shed water.
3. Minimum laps: 100 mm at sides, 150 mm at ends, fully torched and rolled.
4. Turn the membrane up all parapets and abutments over an angle fillet.
5. Do not over-torch; this exposes and damages the reinforcement.
6. Finished surface is for foot traffic and maintenance access only.

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Accessories



UNICOAT BITUMEN 300



TORCH GUN



PRESSURE ROLLER

Shelf Life & Storage

Store both loose and pallets of **UNIPROOF BITU-M** rolls vertically in a shaded area neatly covered by a thick fabric and tied securely in a manner that will minimise exposure to sunlight and UV. Do not stack pallets on top of each other. The membranes should be protected from all sources of heat and extreme temperatures.

The shelf life is **12 months** if stored as per recommendations. Excessive exposure to sunlight, UV and other sources of heat will result in considerable deterioration of the product and reduce its shelf life.

Health & Safety

Any naked flame should be kept well away from the gas cylinders. When ignited, the torch should be watched at all times. The torch should not be rested on finished roofing. Extreme care should be taken when working near combustible materials or items which might be scorched by the gas flame.

Cleaning

UNIPROOF BITU-M membranes contain a tacky bitumen compound which when applied can stick to human skin. Such stains can be removed by using a cloth dipped in a suitable cleaner.

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Installation Procedures

1 Surface Preparation | 2 Alignment & Torching | 3 Sealing & Up Stand

Installation Procedures

Step 1
SURFACE PREPARATION

PREPARATION

Thoroughly clean the surface to remove all dust, curing compounds, oil, and grease. Remove any protrusions or weak concrete, and repair surface defects using a suitable concrete repair mortar.

PRIMING

Dilute **UNICOAT BITUMEN 300** with 30–50% clean water and mix well. Apply evenly with a brush or roller over the prepared surface. Install torch-on membranes once the primer is touch-dry. If left exposed for over 48 hours, clean the surface and reapply a new coat of primer.

Step 2
ALIGNMENT

ALIGNMENT

Start membrane installation from the lowest point or drains so water flows over or parallel to the plies, ensuring upslope laps overlap downslope laps. Unroll and align the **UNIPROOF BITU-M** membrane, then re-roll it halfway and stand on the unrolled section to prevent movement. Maintain a minimum overlap of 100 mm for side laps and 150 mm for end laps.

TORCHING

Install **UNIPROOF BITU-M** using a propane gas torch (handheld recommended for better control). If using multi-burner machines, ensure uniform heat to avoid overheating.

Torch the embossed polyethylene side in an "L" pattern—directing 75% of heat onto the roll and 25% onto the substrate and lap area. As the embossing melts to a shiny bitumen finish, slowly unroll the membrane, sweep the flame side-to-side along the lap, and press firmly with a roller or boot to bond. Do not shift the roll once heating starts.

For subsequent rolls, heat both the roll and existing overlap evenly, concentrating on lap joints for a watertight seal. Torch and secure any remaining unbonded ends in the same manner.

CAUTION : DO NOT OVER TORCH AS THIS WILL EXPOSE THE REINFORCEMENT IN THE MEMBRANE AND CAUSE DAMAGE TO IT.

Step 3
SEALING & UP STAND

SEALING

Heat both overlaps and seal using a round-tipped trowel. Proper heating is indicated when a uniform bead of melted bitumen flows evenly from the membrane edges. Smooth and press excess compound into the seam with a heated trowel. Lift and re-torch any unbonded areas. Do not attempt to reseal by torching the top surface.

UP STAND

Seal all angles and abutments carefully to ensure full adhesion. Lap **UNIPROOF BITU-M** with the base membrane, extend it up the parapet wall, and tuck it into a concrete groove. Fill and seal the groove with **UNISEAL® Joint Sealant.**

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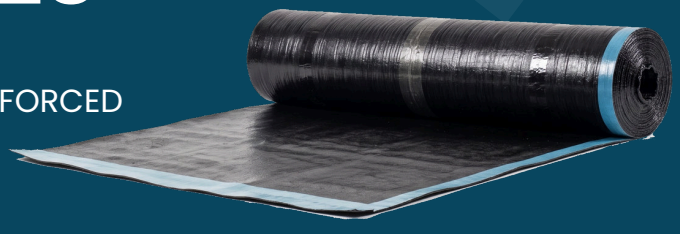
UNIPROOF SA-15

COLD-APPLIED SELF-ADHESIVE SBS BITUMEN WATERPROOFING MEMBRANE, POLYESTER REINFORCED



Product Features

UNIPROOF SA-15 is a 1.5 mm cold-applied, self-adhesive waterproofing membrane made from SBS-modified bitumen reinforced with polyester. The top surface is protected by a polymer film and the underside by an anti-adhesion release film, which is peeled off as the membrane is laid.

As it is applied without gas or flame, **UNIPROOF SA-15** can be used where torch-on membranes are not permitted, including over extruded or expanded polystyrene insulation and timber substrates. The polyester reinforcement gives the membrane additional strength and dimensional stability.

UNIPROOF SA-15 is used to waterproof foundations, basements and engineering structures, as an underlay on pitched roofs and as a vapour barrier. It is not designed for permanent exposure to sunlight and must be covered by a protection layer, screed or finish after installation.

Advantages

Polyester-reinforced for added strength	Cold-applied, no gas or flame
Safe over XPS, EPS and timber	Fast, simple installation
No smoke, odour or noise	No special equipment or skills
Self-adhesive bonded laps	Flexible down to -20 °C

Fields of Application

Basement Walls & Slabs	Foundations, Footings & Pile Caps
Retaining Walls & Engineering Structures	Podium & Roof Decks (under screed)
Balconies & Wet Areas (under screed / tiles)	Sunken Slabs
Underlay on Pitched Roofs	Vapour Barrier over Insulation / Timber

Health & Safety

UNIPROOF SA-15 is applied cold, without gas or flame. Wear gloves and protective clothing when handling. **UNICOAT BITUMEN 305** primer is solvent based and flammable: use it only in well-ventilated areas away from naked flames, and avoid contact with skin and eyes. Refer to the MSDS of the membrane and primer before use.

Shelf Life & Storage

Store rolls upright in their original packaging in a cool, dry, shaded area, away from direct sunlight, heat and sources of ignition. Do not stack pallets. When stored as recommended, **UNIPROOF SA-15** has a shelf life of 12 months from the date of manufacture.

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Technical Properties

Property	Test Method	Result
Thickness	EN 1849-1	1.5 ± 0.20 mm
Mass per Unit Area	EN 1849-1	1.8 ± 0.20 kg/m²
Length x Width	EN 1848-1	20 m x 1 m
Softening Point	ASTM D36	≥ 100 °C
Flexibility at Low Temperature	EN 1109-1	≤ -20 °C
Flow Resistance at Elevated Temperature	EN 1110	≥ 90 °C
Elongation (Long / Trans)	ASTM D5147	35 ± 20 / 45 ± 20 %
Tensile Strength (Long / Trans)	ASTM D5147	400 ± 100 / 300 ± 100 N/50 mm
Peel Resistance of Joints (Overlap to Overlap)	EN 12316-1	≥ 40 N/50 mm
Peel Resistance of Joints (Overlap to Film)	EN 12316-1	≥ 20 N/50 mm

All values are typical results given as a guide only and not as a specification.

Physical Properties

Material	:	Self-adhesive SBS-modified bitumen compound
Reinforcement	:	Polyester
Top Surface	:	Polymer film
Bottom Surface	:	Anti-adhesion release film
Colour	:	Black
Thickness	:	1.5 mm
Roll Size	:	20 m x 1 m (20 m² / roll)
Mass per Roll	:	Approx. 36 kg

Important Note

UNIPROOF SA-15 is not UV stable. Cover it with a protection layer, screed or finish as soon as practical after installation.

Do not torch or heat the membrane. Do not use solvent-based products, other than the recommended primer, in direct contact with it.

Not suitable as an exposed or trafficked finished surface.

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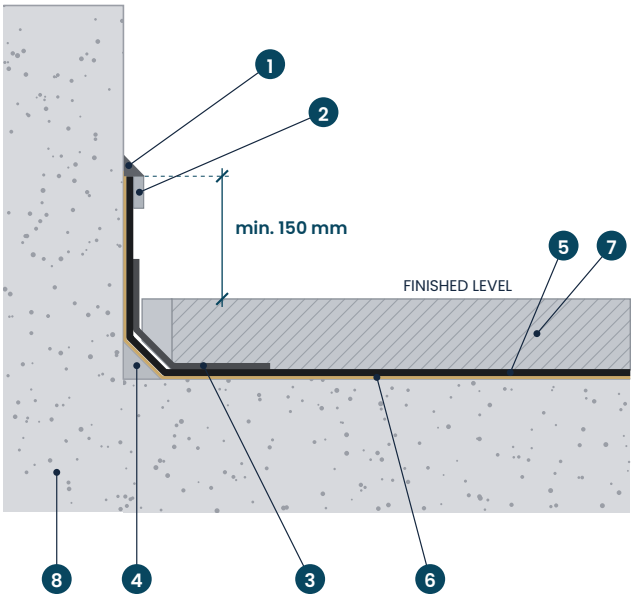
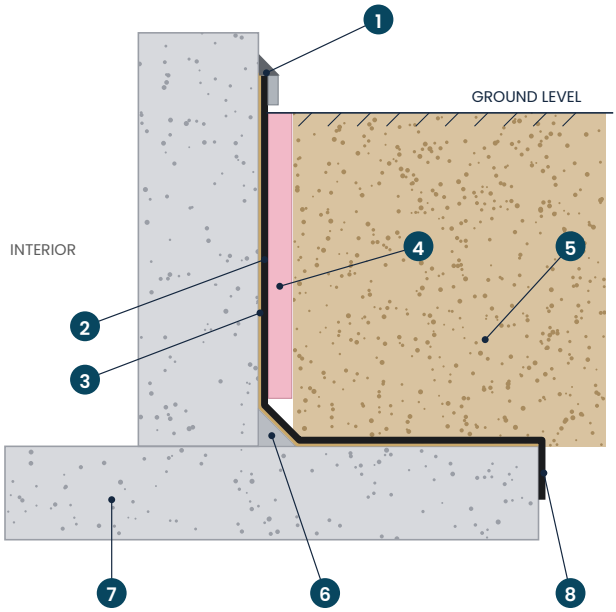
Typical Drawing

DETAIL A : ROOF / PODIUM DECK UPSTAND



1. **UNISEAL®** sealant
2. Aluminium termination bar
3. Reinforcing strip of membrane at corner
4. Angle fillet (approx. 50 mm)
5. **UNIPROOF SA-15** membrane
6. **UNICOAT BITUMEN 305** primer
7. Protection screed
8. Concrete slab / upstand

DETAIL B : BASEMENT WALL (BELOW GRADE)



1. Termination bar & **UNISEAL®** sealant
2. **UNIPROOF SA-15** membrane
3. **UNICOAT BITUMEN 305** primer
4. **UNIFLEX® XPS** protection board
5. Compacted backfill
6. Angle fillet (approx. 50 mm)
7. Concrete wall & base slab
8. Membrane lapped onto base slab edge

For illustration purposes only. Not to scale. Details to be confirmed by the project engineer.

System Components

Item	Purpose
UNIPROOF SA-15	Self-adhesive waterproofing membrane
UNICOAT BITUMEN 305	Bituminous primer for concrete and masonry substrates
UNISEAL® sealant	Sealing of top terminations and penetrations
Termination bar	Aluminium bar to secure vertical membrane edges
UNIFLEX® XPS / UNIFLEX® PE	Protection board before backfilling
Hand roller / pressure roller	Bonding of laps and full membrane contact

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Installation Procedures

1 Surface Preparation | 2 Priming | 3 Membrane Application | 4 Inspection & Protection

Installation Procedures

Step 1

SURFACE PREPARATION

Substrates must be structurally sound, clean, dry and free from dust, grease, laitance, curing compounds and loose particles. New concrete must be fully cured.

Remove sharp protrusions and repair cracks, voids and honeycombing with a suitable repair mortar. Form an angle fillet of approx. 50 mm at internal corners between slab and wall.

Apply only when the substrate and air temperature are above +5 °C. Do not apply in rain or on damp surfaces.

Step 2

PRIMING

Apply **UNICOAT BITUMEN 305** primer evenly by brush, roller or spray at the rate given in its technical data sheet.

Allow the primer to dry completely before laying the membrane. Prime only the area that can be covered with membrane on the same day.

Step 3

MEMBRANE APPLICATION

Cut and dry-lay the membrane to check alignment and lap positions. Start from the lowest point, such as drains or the base of the slab, so that laps always shed water.

Peel back the release film progressively and press the membrane onto the primed surface, smoothing from the centre outwards to expel trapped air. Roll the whole membrane firmly with a hand or pressure roller.

Provide side laps of at least 50 mm and end laps of at least 100 mm, and stagger end laps between adjacent rolls. Roll all laps firmly to achieve a continuous, watertight bond.

On vertical surfaces, extend the membrane at least 150 mm above finished floor level and secure the top edge with an aluminium termination bar sealed with **UNISEAL®** sealant. Reinforce corners, drains and pipe penetrations with an additional strip or collar of membrane.

Step 4

INSPECTION & PROTECTION

Inspect all laps and details. Repair any damage with a patch of membrane extending at least 150 mm beyond the damaged area. Where specified, carry out a flood test before covering.

Protect the membrane before backfilling or screeding. Use **UNIFLEX® XPS** or **UNIFLEX® PE** protection board on vertical surfaces, and a protection screed on horizontal surfaces. Lay protection boards loose without fixing through the membrane.

Cover the membrane as soon as practical. Do not leave it exposed to sunlight for extended periods.

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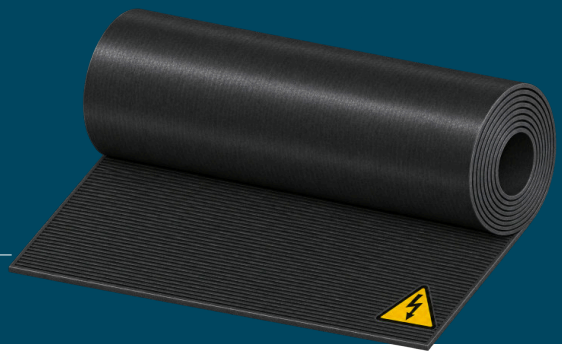
UNIPROOF EIM

SWITCHBOARD ELECTRICAL INSULATION MAT



Product Features

UNIPROOF EIM insulating matting is a flexible elastomer sheet produced with high-quality natural rubber. It is designed to cover floor surfaces in front of switchboards, switchgear, distribution panels, and other live medium/low-voltage electrical equipment to act as electrical insulation for workers standing on the surface and to reduce the risk of electrical shock during live working or maintenance.

UNIPROOF EIM features a corrugated (ribbed) or diamond top surface for anti-slip protection and a rough / honeycomb textured base to prevent mat movement on the floor. It is manufactured with beveled/flat edge designs to eliminate curling and reduce tripping hazards.

UNIPROOF EIM is a supplementary protective measure and must be used by skilled workers, following safe working procedures.

Advantages

- **Enhanced Safety Design:** Anti-slip ribbed/diamond top surface and high-friction bottom texture prevent slippage.
- **Trip Prevention:** Designed with beveled or flat edges to prevent edge curling.
- **Environmental & Stress Resistance:** Built to meet dielectric, mechanical, climatic, and environmental stresses including puncture resistance, slip resistance, ageing, flame retardancy, low temperature, acid, and oil resistance.
- **Customisable Installation:** Supplied in standard rolls and can be cut on-site for custom floor configurations.

Fields of Application

- Low and medium voltage switchboards and switchgear panels
- Substations and transformer rooms
- Motor Control Centres (MCC) and control panels
- High-voltage live working environments up to 36 kV (Class 4)

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.

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Technical Properties

Property	Test Method	Result
AC Withstand Voltage (Class 0)	IEC 61111:2009 Cl. 5.6.4.3 / BS EN 61111:2009	10 kV AC, 3 min (No breakdown)
AC Breakdown Voltage (Class 0, 3mm)	IEC 61111:2009 Cl. 5.6.4.3	≥ 19 kV
AC Withstand Voltage (Class 1)	IEC 61111:2009 Cl. 5.6.4.3	20 kV AC, 3 min (No breakdown)
AC Proof Voltage Range (Class 0 to 4)	IEC 61111:2009	5 kV to 40 kV AC
Mechanical & Climatic Properties (Puncture, Slip, Ageing, Flame Retardant, Acid, Oil, Low Temp)	IEC 61111:2009 Cl. 5.6 / TNB KEJ08434:2013	Complied / Pass
Hazardous Substances Compliance	RoHS Directive 2011/65/EU (RoHS 1 & RoHS 2)	Complied
Hardness	Shore A	60 ± 5
Specific Gravity	-	Approx. 1.6 g/cm³

1. Test reports refer specifically to the test samples submitted under test conditions (16 hours water immersion conditioning; tested in insulating oil). 2. Additional type testing (puncture, slip, ageing, flame retardant, low temperature, acid and oil resistance) and higher voltage classes (Class 2 to Class 4) conform to IEC 61111:2009 / TNB KEJ08434:2013 requirements.

Physical Properties

Material	:	Natural Rubber (NR) / SBR Elastomer
Colour	:	Black / Grey
Top Surface	:	Corrugated (ribbed) / Diamond plate anti-slip pattern
Underside Base	:	Anti-slip rough / honeycomb texture
Thickness	:	3mm / 5mm / 6mm / 8mm / 12mm
Width x Length	:	1m x 10m / 1m x 6m (600mm x 3m on request – TNB projects)

Class Selection (IEC 61111)

Class	Max. Working Voltage	Proof Test Voltage	Thickness	Roll Size
Class 0	1,000 V	5 kV	3 mm	1m x 10m
Class 1	7,500 V	10 kV	5 mm	1m x 10m
Class 2	17,000 V	20 kV	6 mm	1m x 10m
Class 3	26,500 V	30 kV	8 mm	1m x 6m
Class 4	36,000 V	40 kV	12 mm	1m x 6m

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Important Note / Special Note

- Inspect before each use. Do not use a mat that is cut, punctured, blistered, cracked or contaminated with conductive material.
- Lay flat on a clean, dry floor with no curled edges, covering the full standing area in front of the equipment.
- Select the class using the maximum working voltage of the equipment, not the withstand voltage.
- Do not use as the only safety measure; follow the site's safe working procedure and use appropriate PPE.

Shelf Life & Storage

Store **UNIPROOF EIM** rolled or flat, away from direct sunlight, heat, oil, solvents and sharp objects. Store in its original individual protective plastic wrapping to safeguard the material. Do not stack heavy loads on rolls.

Cleaning

Regular inspection and maintenance must be performed to keep both surfaces of the matting clean and free from harmful physical irregularities or conductive foreign material. Clean the matting using mild soap and water, avoiding aggressive abrasive tools that could cut, scratch, or alter the corrugated (ribbed) or diamond top pattern. Ensure the mat is completely dry and free from entrapped moisture, cracks, pinholes, or creases before returning it to service.

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