

TORSH-PLY

Plastomeric polymer APP modified waterproofing



CC Technique Product Data Sheet

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Division: 7

Thermal & Protection

■ The Product

TORCH-PLY in its different versions is a plastomeric; type membrane obtained from distilled asphalt modified with plastomeric polymers.

TORCH-PLY reinforced with polyester is available in plain or mineral finish.



■ Uses

TORCHPLY PLAIN:

Waterproofing membrane suitable for application on various roof types and vertical walls, whether insulated or not, with the exception of those which are subjected to high levels of stress such as tensile structures or metal profile decks.

TORCHPLY MINERAL:

Waterproofing membrane and cap sheet for use in multi-layer application on various roof types, whether they are insulated or not, with the exception of those which are subjected to high levels of stress such as tensile structures or metal profile decks. Ideally suited as a single layer waterproofing under clay tiles.

■ Packaging

Rolls are generally 1m wide and 10m long. The top tape indicates the brand name, the middle one indicates the weight or thickness of the product and the lower tape indicates the product type. The rolls are supplied on wooden pallets and are held in place by a protective heat shrunk polythene covering. Each pallet has two control docket which enables the laboratory characteristics of the product to be readily identified.

■ Tool requirements

For the correct installation of TORCH-PLY type membranes, all that is required is a propane gas roofing torch complete with gas bottle, and at least 10m of approved type hose, a round nosed trowel or spatula, a utility knife and a pair of gloves.

■ Finishes

Upper surface:

TORCH-PLY plain membranes are embossed with a pattern of small squares and are available with either talc or fine grain quartz finish, to ensure that the roll unwinds correctly.

Natural grey slate chips cover TORCH-PLY mineral membranes. A 7cm wide strip is left free of mineral chips to form the overlap joint. This area is protected by the application of Torch flam heat sensitive plastic FILM which prevents the roll sticking together, but which readily melts when exposed to the flame of a roofing torch.

Lower surface:

All TORCH-PLY type membranes have Torch flam heat sensitive plastic film which prevents the roll from sticking together and to ensure that the roll unwinds correctly. This surface is again embossed with a pattern of small squares to help to Torch flam film to melt quickly to allow gases to escape and also acts as a

temperature indicator to show that the compound has reached the correct fusion temperature.

■ Physical & chemical characteristics

	180 gr/m Polyester	200 gr/m Polyester
Roll dimension-UNI 8202/3	1x10m1%	1x10m1%
Surfacing	(Talc Burn-off Film) or Slates	(Talc Burn-off Film) or Slates
Thickness-UNI 8202/6	3,4,5 mm	3,4,5 mm
Membrane Weight-UNI 8202/7	3,4,4.5,5 kg/m	3,4,4.5,5 kg/m
Static punching strength-UNI 8202/11	1.4 (not perforated at > 25kg	
Penetration ASTM-D5	DOW 25 mm at 25°C	DOW 25 mm at 25°C
Softening point ASTM D36°C	150°C	150°C
Cold flexibility-UNI 8202/15	-5°C	-5°C
Tensile Strength (L)-UNI 8202/8	850N/5 cm	900N/5 cm
Tensile Strength (T)-UNI 8202/8	750N/5 cm	850N/5 cm
Elongation (L) - UNI 8202/8	42%	45%
Elongation (T) - UNI 8202/8	38%	45%
Tear Strength (L)-UNI 8202/9	175 N	185 N
Tear Strength (T)-UNI 8202/9	170 N	175 N
Hydrostatic Resistance	Water light after 24 hrs under 6m of water	
Water Absorption -UNI 8202/21 ASTM-570	Less than 0.14%	Less than 0.14%
Water Vapor Permeability ASTM-E 96	Absolutely Impermeable	Absolutely Impermeable
Flow Resistance in Vertical at 90°CUNI 8202/16	< 0.5 mm	< 0.5 mm
AGEING - ASTM - G53	No signs of deterioration	
Tear Strength (T)-UNI 8202/9	170 N	175 N
Hydrostatic Resistance	Watertight after 24 hrs under 6m of water	

Code	Description	Color	Qty	Unit of sale	Unit
MD128004	TORCH PLY T180 APP Sand, 4mm	Black	Roll	10	Sqm
MD128005	TORCH PLY T180 APP Sand, 5mm	Black	Roll	10	Sqm
MD128040	TORCH PLY T180 APP Mineral, 4Kg	Grey	Roll	10	Sqm
MD128045	TORCH PLY T180 APP Mineral,4.5Kg	Grey	Roll	10	Sqm
MD128050	TORCH PLY T180 APP Mineral, 5Kg	Grey	Roll	10	Sqm
MD132004	TORCH PLY T200 PE-Sand, 4mm	Black	Roll	10	Sqm
MD132005	TORCH PLY T200 PE-Sand, 5mm	Black	Roll	10	Sqm
MD132040	TORCH PLY T200 APP Mineral 4kg	Grey	Roll	10	Sqm
MD132045	TORCH PLY T200 APP Mineral, 4.5kg	Grey	Roll	10	Sqm
MD132050	TORCH PLY T200 APP Mineral, 5Kg	Grey	Roll	10	Sqm