

PETROGRIP APP POLYESTER

WITH FIBERGLASS REINFORCEMENT

PLASTOMERIC TORCH-APPLIED WATERPROOFING MEMBRANE

APP-modified bitumen reinforced with non-woven polyester and fiberglass stabilization.

PLAIN FINISH

3 mm | 4 mm

ROLL SIZE 1 m x 10 m



APP PLASTOMERIC

heat-resistant APP compound

WATERPROOF

continuous waterproof barrier

LOW-TEMPERATURE FLEXIBILITY

cold-weather flexibility

TORCH-APPLIED

heat-welded laps

PE FILM BOTH SIDES

plain protected system

PRODUCT DESCRIPTION

PetroGrip APP Polyester with Fiberglass Reinforcement is a plastomeric, torch-applied waterproofing membrane manufactured from APP-modified bitumen. Its composite carrier combines non-woven polyester with fiberglass stabilization to improve handling strength and dimensional control. Both faces are finished with polyethylene film for roll separation and controlled heat activation during installation.

APPLICATION FIELDS

Roofs, terraces and podiums under screed, tiles, gravel or other approved protection; concrete slabs and sloping roofs; foundations, retaining walls and below-grade structures; and refurbishment over sound, compatible bituminous substrates. Suitable as a base or intermediate layer in multi-layer systems. Plain film-faced membrane is not intended as a permanently exposed UV finish.

PRODUCT FORMAT

THICKNESS

3 mm / 4 mm

ROLL SIZE

1 m x 10 m

SURFACE

PE film / PE film

TYPICAL SYSTEM USE

- Prepare a clean, dry and structurally sound substrate.
- Apply compatible bituminous primer where specified.
- Fully torch-bond with sealed side and end laps.
- Detail penetrations, corners and terminations using the approved method statement.
- Install screed, tiles, gravel or another specified protective layer before exposure.

SINCE 1980 | MADE IN PAKISTAN

TECHNICAL CHARACTERISTICS

PETROGRIP APP POLYESTER - PLAIN / PE FILM BOTH SIDES

TYPICAL VALUES

PROPERTY	TEST STANDARD	3 mm	4 mm
Reinforcement	-	Composite non-woven polyester stabilized with fiberglass	Composite non-woven polyester stabilized with fiberglass
Thickness	EN 1849-1	3.0 mm (±0.2)	4.0 mm (±0.2)
Roll size	EN 1848-1	1 m x 10 m (-1%)	1 m x 10 m (-1%)
Watertightness	EN 1928 - B	≥ 60 kPa	≥ 60 kPa
Watertightness after ageing	EN 1928 (after ageing)	≥ 60 kPa	≥ 60 kPa
Shear resistance L/T	EN 12317-1	350 / 250 N/50 mm	350 / 250 N/50 mm
Maximum tensile force L/T	EN 12311-1	400 / 300 N/50 mm	400 / 300 N/50 mm
Elongation L/T	EN 12311-1	35 / 40%	35 / 40%
Resistance to impact	EN 12691 - A	1,000 mm	1,000 mm
Resistance to static loading	EN 12730 - A	10 kg	10 kg
Tear resistance (nail shank) L/T	EN 12310-1	120 / 120 N	120 / 120 N
Dimensional stability L/T	EN 1107-1	NPD	NPD
Flexibility at low temperature	EN 1109	-15°C	-15°C
Flexibility after ageing	EN 1296-1109	NPD	NPD
Flow resistance at high temperature	EN 1110	100°C	100°C
Thermal conductivity	-	0.2 W/mK	0.2 W/mK
Heat capacity	-	3.90 kJ/K	5.20 kJ/K

NPD = No Performance Determined.

MEMBRANE COMPOSITION - PLAIN

Upper PE film

APP-modified bitumen

Non-woven polyester reinforcement

Fiberglass reinforcement / stabilizer

APP-modified bitumen

Lower PE film

Composite reinforcement core

PE film is a heat-responsive surface finish. It is not a mineral UV protection layer and is not intended to be peeled off before torching.

HANDLING NOTES

FINISHING

Polyethylene film to both faces prevents roll blocking and retracts under controlled torch heat. Plain membrane requires the specified protective finish where exposed to weather or UV.

INSTALLATION

Apply only to clean, dry and sound substrates using trained operatives and approved hot-work controls. Prime where specified; fully bond and heat-weld laps without overheating the compound.

STORAGE

Store rolls upright, covered, dry and away from direct sun, flame and excessive heat. Keep in original packaging and protect from impact or deformation.

SCAN FOR PRODUCT WEBSITE

petrosealenterprises.com

TECHNICAL SUPPORT

0317-4058560

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