

COMPOSITION

Synthetic liner of flexible polyolefin manufactured by coextrusion. Single layer membrane, homogenous, transparent colour. Manufactured in UNI EN ISO 9001:2000 (Quality System) and UNI EN ISO 14001:2004 (Environmental System) certified plant. Laying by installers approved by Flag S.p.A. Finishing and accessories with elements manufactured and approved by Flag S.p.A.

FEATURES

- High mechanical and puncturing resistance
- Resistant to the action of running water

- Resistant to root penetration
- Flexibility at low temperatures
- Resistant to common parasites
- Resistant to bursting
- High environmental compability

AREA OF USE

FOUNDATIONS/TUNNELS

- Waterproofing of foundations in presence of water
- Humidity screen of foundations
- Natural and artificial tunnels

PHYSICAL-CHEMICAL PROPERTIES

		FLAGON PM/T 200	FLAGON PM/T 300	Testing method
Thickness	(mm)	2,0	3,0	UNI EN 1849 - 2
Weigth	(kg/m ²)	1,80	2,70	UNI EN 1849 - 2
Tensile strenght (dumb-bell test specimen)	(N/mm ²)	≥ 17	≥ 17	DIN EN ISO 527 - 3
Elongation to break (dumb-bell test specimen)	(%)	≥ 600	≥ 600	DIN EN ISO 527 - 3
Resistance to impact strength	(mm)	≥ 750	≥ 1300	UNI EN 12691
Cold bending	(°C)	≤ - 40	≤ - 40	DIN EN 495 - 5
Hydrostatic pressure resistance (72 hours at 4 bar)		waterproof	waterproof	UNI EN 1928 meth. B
Resistance to tearing	(N/mm)	≥ 80	≥ 80	UN EN 12310 - 2
Root resistance		no penetration	no penetration	UNI CEN TS 14416
Resistance to light trasmittance	(%)	≥ 70	≥ 70	UNI 8028
Tear resistance	(N/mm)	≥ 55	≥ 55	ISO 34 speciem fig. 2
Resistance to static punching (CBR)	(N)	≥ 1800	≥ 2700	UNI EN ISO 12236
Resistance to oxidation: - tensile strength variation	(%)	< 25	< 25	UNI EN 14575

PRODUCTION STANDARD

Thickness	2,0 mm	3,0 mm
Width	2,10 m	2,10 m
Length	20 m	20 m
Colour	Transparent	

ACCESSORIES SYSTEM

- FLAGON TPO disc for tunnel lining
- FLAGON TPO injection valve
- FLAGON TPO compartment joint (W4 - W6)
- Prefabricated accessories
- SALDAMAX 2000 - welding machine

Due to its formulation, the liner is NOT subject to the requirements set forth in the EEC 79/831 regulation on dangerous substances. If the product should be disposed of as waste, we recommend sending it to an authorised landfill site or to an incinerator equipped with post-combustion chamber and fume washing system.

