

COMPOSITION

Special synthetic membrane in PVC-P obtained by co-extrusion, stabilised to resist to the attack of microorganisms such as funguses, bacteria and spores.

Manufactured in a plant certified by UNI EN ISO 9001 (Quality management system) and UNI EN ISO 14001 (environmental management system).

Setting performed by technicians approved by Flag S.p.A.

Finishing and accessories composed by elements produced and approved by Flag S.p.A.

FEATURES

- High resistance to the attack of microorganisms: funguses, bacteria and spores
- Weatherproof and UV resistance
- High mechanical resistance
- High resistance to punching
- Resistance to roots attack

AREA OF USE

HYDRAULIC WORKS

- Liquid hold up tanks with bacterial loads
- Waterproofing in direct contact with substances with high bacterial loads.

PROPERTIES

		E 150	E 200	Test method
Thickness	(mm)	1,50	2,00	UNI EN 1849-2
Weight	(kg/m ²)	1,95	2,60	UNI EN 1849-2
Tensile strength	(N/mm ²)	≥ 17,5	≥ 17,5	UNI EN ISO 527-3
Elongation to break	(%)	≥ 300	≥ 300	UNI EN ISO 527-3
Cold bending	(°C)	≤ - 30	≤ - 30	UNI EN 495-5
Hydrostatic pressure resistance (6 hours at 0,5 Mpa)		waterproof	waterproof	UNI EN 1928 met. B
Resistance to roots penetration		no penetration	no penetration	UNI CEN TS 14416
Resistance to microorganisms		no growth	no growth	AFNOR NFX 41514 ASTM G 21-90
Tear resistance	(N/mm)	≥ 80	≥ 80	UNI EN 12310-2
Tear resistance	(N/mm)	≥ 45	≥ 45	ISO 34 sample 2
Resistance to static punching (CBR method)	(N)	≥ 1800	≥ 2450	UNI EN ISO 12236
Oxidation resistance - variation in load at rupture	(%)	< 25	< 25	UNI EN 14575
Resistance to artificial weathering (UV) load variation upon rupture after 12000 hours	(%)	< 25	< 25	UNI EN 12224
Thermal aging into water - variation in load at rupture - mass loss	(%) (%)	< 25 < 5	< 25 < 5	UNI EN 14415 A and B method

PRODUCTION STANDARDS

Thickness	1,50 mm	2,00 mm	
Width	m 2,10	m 2,10	
Length	m 20	m 20	
Colour	DARK GREY		

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 a waste, we recommend sending it to an authorised landfill site or to an incinerator equipped with post-combustion chamber and fumes washing system. The data herewith indicated, apart from those required by EC branding, are not exhaustive and Flag SpA may modify them without previous notice. Flag SpA, has the right to modify the product at any time and without previous notice, in any of its aspect, and to stop its production.



EC certification complying with standard EN 13361 – no. 1085 –CDP - 0008