



PRESENTATION

	Vinitex WR	Vinitex WS	Vinitex DW
Reinforcement	Polyester mesh	Non-reinforced	Non-reinforced
Thickness	1.2 and 1.5 mm	1.2 and 1.5 mm	1.2 mm
Size	2.05 x 20 m	2.05 x 20 m	2.05 x 20 m
Colour	Light Gray	Light Gray	Light Gray

	Texsalon WR	Texsalon WS	Sure-Seal SA	Texsapol HD
Reinforcement	Polyester mesh	Non-reinforced	Un-reinforced	Un-reinforced
Thickness	0.91, 1.14 and 1.52 mm	1.14 and 1.52 mm	1.14 and 1.52 mm	1, 1.5 and 2 mm
Size	3.6 x 120 (1.52 mm) 3.6 x 182.9 (0.91 and 1.14 mm)	3.6 x 120 (1.52 mm) 3.6 x 182.9 (1.14 mm)	1.37 x 30.48 m ; 3.05 x 30.48 m 6.10 x 30.48 m ; 9.15 x 30.48 m	5.8 and 7.5 x 200 (1.0 mm) 5.8 and 7.5 x 130 (1.5 mm)
Colour	White and sand under special order		Black	Black

TexsaSynthetics 

- TEXSA SYNTHETICS is a Spanish company belonging to the TEXSA group, specialised in synthetic and geosynthetic membranes for the waterproofing industry.
- TEXSA SYNTHETICS is dedicated to the constant search for new products and systems, to provide comprehensive solutions according to project requirements, meeting the demands of this important sector.
- TEXSA SYNTHETICS has a wide range of products and its customers can count on personal expert technical and customer service.
- TEXSA SYNTHETICS counts on more than 50 years experience of the TEXSA group, carrying out constant internal and external quality controls.

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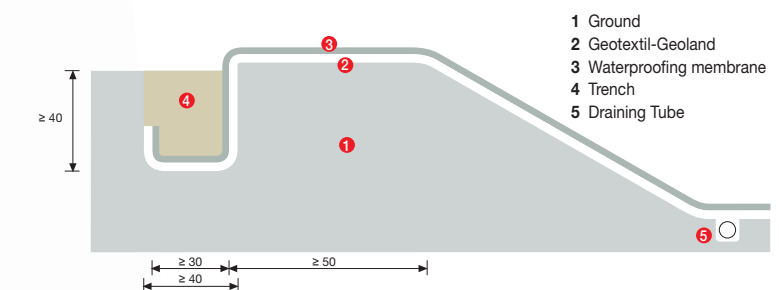
Reservoirs

Waterproofing system for ponds, reservoirs, channels and tanks



Reservoirs

At present, water is an asset which has a constantly growing value, due both to climatic and to social factors. Science and technology have created a multitude of ways to store and transport it so that it could be more available. Texsa Synthetics, a specialist in waterproofing sheets, has specific products for the different applications of water storage within the Hydraulic structures: ponds, channels, reservoirs, forest use, tanks for drinking water or even for ornamental use or purine storage, which is very important in the livestock industry. The range VINITEX (PVC), TEXSALON (TPO), SURE-SEAL (EPDM) and TEXSAPOL (HDPE) are all suitable sheets for synthetic waterproofing, which provide different solutions depending on the required needs, covering almost all the existing possibilities in the Hydraulic structures. They were designed and developed to provide maximum security and durability.





Vinitex WR

Flexible PVC membrane, U.V.-resistant, reinforced with polyester mesh providing very good mechanical properties and resistance to tearing. It is able to absorb the tension generated by waves or by the weight of the membrane, it avoids distortion, and it is particularly suitable for installation on the slopes.



Vinitex WS

Flexible un-reinforced PVC membrane, with excellent resistance to U.V. rays. It adapts easily to the shape of the ground, being completely mouldable. It is particularly suitable for background installation and for detail implementation.



Vinitex DW

Flexible un-reinforced PVC membrane. It complies with the global migration requirements under European Directive 96/11/EC, for materials that come in contact with drinking water. It is also suitable for outdoor use and exposed applications.

Vinitex

- High resistance to aging.
- High puncture resistance.
- Excellent stability against U.V. rays.
- Excellent adaptability to the ground.
- Resistant to microorganisms.
- Excellent mechanical properties.
- Excellent performance under low temperature.

CHARACTERISTICS	Standard	Vinitex WR	Vinitex WS	Vinitex DW
Tensile strength - to breaking Tensile strength - to maximum strength	ISO R 527	- ≥ 1000x1000 N/50 mm	≥ 10MPa -	≥ 10MPa -
Static puncturing	EN ISO 12236	≥ 0.35 kN	≥ 0.35 kN	≥ 0.35 kN
Weathering Elongation to break variation	EN 12224	≤ 10%	≤ 10%	≤ 10%
Dimensional stability	EN 1107-2	≤ 0.3%	≤ 2%	≤ 2%
Foldability at low temperature	EN 495-5	≤ -25° C	≤ -25° C	≤ -25° C
Water vapour transmission proprieties	EN 1931	20,000	20,000	20,000



Texsalon WR

It is a co-polymer polypropylene-based membrane, stable against UV rays, reinforced with polyester mesh, which provides excellent mechanical properties and a high puncturing resistance.



Texsalon WS

It is a co-polymer polypropylene-based membrane. It is stable against UV rays and it is not reinforced. Its homogeneous surface facilitates fusion at welding, generating a consistent waterproof monolithic sheet.

Texsalon

- Suitable for contact with drinking water (Water Regulations Advisory Scheme BS6920 TEST)
- Weldable with hot air
- High puncturing resistance
- Excellent resistance to low temperatures
- Resistant to microorganisms
- High dimensional stability

CHARACTERISTICS	Standard	Texsalon WR	Standard	Texsalon WS
Tensile strength	ASTM D 751 "Grab Method"	1.3 kN	ASTM D 638 Dumbbell IV	16.8 kN
Tensile Elongation	ASTM D 751	25 %	ASTM D 638	750 %
Tear resistance	ASTM D 5884 "Tongue Tear"	445 N	ASTM D 1004	80 N
Low temperature flexibility	ASTM D 2136 4 hs at temp.	-46° C	ASTM D 2136 4 hs at temp.	-46° C
Water absorption resistance 30 days immersion to 50° C. Change in Mass	ASTM D 471	0.5 %	ASTM D 471	0.5 %
Puncture resistance	FTM 101C Method 2031	1,110 N (0.91 mm) 1,330 N (1.14 mm) 1,560 N (1.52 mm)	ASTM D 4833	178 N (1.02 mm) 178 N (1.52 mm)
Resistance to Xe-Ar (2), 17,640 kJ/m ² total radiant exposure visual condition at 10X	ASTM G 155 0.70 W/m ² 80° C B.P.T.	No cracks No loss at breaking or tear strength	ASTM G 155 0.70 W/m ² 80° C B.P.T.	No cracks No loss at breaking or tear strength



Sure-Seal SA

It is a non-reinforced EPDM-based membrane, highly flexible and weather resistant. The union between membranes is made by cold curing with Sure-Seal auxiliaries, obtaining a completely waterproof union.

- Excellent flexibility and puncturing resistance
- Adaptability to the ground
- Good chemical resistance
- Different roll widths available
- Resistant to weather
- Suitable for contact with drinking water (Water Regulations Advisory Scheme BS6920 TEST)
- Excellent thermal stability

CARACTERÍSTICAS	Standard	Sure-Seal SA 1.14	Sure-Seal SA 1.52
Elongation	ASTM D 412	480 %	480 %
Tear resistance	ASTM D 624	35 kN/m	35 kN/m
Factory Seam Strength	ASTM D 816	Membrane rupture	Membrane rupture
Resistance to Heat-aging Properties after 4 weeks at 116 °C Tensile strength Elongation at breaking Tearing strength Dimensional stability	ASTM D 573 ASTM D 412 ASTM D 412 ASTM D 624 ASTM D 1204	8.3 MPa 225 % 37.6 kN / m -0.4 %	10.3 MPa 225 % 37.6 kN / m -0.4 %
Water absorption resistance, 7 days of immersion at 70 °C; Mass change (%)	ASTM D 471	+2 %	+2 %
Water vapour permeance (max. Perms)	ASTM E 96	0.05	0.05
Low temperatures flexibility	ASTM D 746	-55 °C	-55 °C
Resistance to Outdoor weathering Xe-Ar (1), 7,640 kJ/m ² A 0.79 W/m ² irradiance, 80 °C black panel temp	ASTM G 26	No cracks No crazing	



Texsapol HD

It is a high-density polyethylene membrane, made with best quality polymers. TEXSAPOL HD is smooth on both sides.

- High resistance to tearing and tensile resistance.
- High puncturing resistance.
- No need for protection, UV rays stable.
- High resistance to chemicals, including asphalt, oils, acids, salts and tars.
- Perfectly weldable with hot air, obtaining a continuous, waterproof surface.
- High resistance to aging.

CHARACTERISTICS	Standard	Texsapol HD
Tensile Strength	ASTM D Type IV UNE-EN ISO 527 Type V	30 N/mm
Tensile Elongation		800 %
Tear Resistance	UNE 104 302	≥ 140 N (1 mm) ≥ 210 (1.5 mm) ≥ 280 (2 mm)
Puncture resistance		≥ 400 N (1 mm) ≥ 600 N (1.5 mm) ≥ 800 N (2 mm)
Striker route before perforation	UNE 104300	≥ 10 mm (1 mm) ≥ 15 (1.5 mm) ≥ 20 (2 mm)
Carbon black content	UNE 53 375	2.5 ± 0.5 %
Low temperatures flexibility	UNE 104 302	No cracks
Dimensional stability	ASTM D 1204 (1h, 100 °C) UNE 104302 (1h, 100 °C)	± 2.0 %
Water absorption At 24 h At 6 days	UNE 53 028	≤ 0.1 % ≤ 0.1 %

Texsapol

