DuPont™ Xavan® Liner

An exceptionally robust, lightweight and flexible pond liner

Application

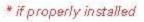
- DuPont™ Xavan° Liner is a watertight polymeric sheet for creating artificial ponds and lakes
- It may be used for:
 - leisure ponds
 - fish ponds / nursery ponds
 - swimming ponds

Properties

- Xavan° Liner is a composite material based on Xavan° non-woven technology and the know-how of DuPont in the field of Elvaloy° polymers
- Ideal balance of weight versus strength properties
- Chemically stable, contains no substances likely to leach into the water or air
- Non-degradable by algae or other organisms and produces no oxidation liable to damage pond plants
- Highly UV resistant
- Highly resistant to attack by acid and base solutions

Advantages

- Much lighter than similar products, but offering the same level of strength
- Its lightness enables tangible savings in labour and installation time
- Easy to cut, weld and bond on the installation site
- Xavan^e Liner allows quick finishing around ponds and pipe connections. Ideal for professional designers to create imaginative pond designs and complex shaping
- As the liner is essentially made of polyolefin, any surplus material after installation is easily recycled or may be incinerated without hazardous emissions















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Technical characteristics

Properties	Standard	Unit	Value
Unit weight	EN ISO 9864	g/m²	507
Thickness	EN ISO 9863-1	mm	0,55
Tensile strength	EN ISO 10319	kN/m	10,2
Elongation	EN ISO 10319	%	40
Tear strength	ASTM D4533-91	kg	18,5
Puncture resistance	ASTM D4833 8 mm	N	300
Cone penetration	EN ISO 13433	mm	19
Water tightness	EN ISO 20811	cm	>900
Low temperature flexibility / no cracking	EN 495-5	°C	-40

Joining techniques

Joins are made using welding equipment (e.g.: www.leister.com) or butyl/hotmelt adhesive tape, available from DuPont.

Bonding with adhesive tape (Xavan° double-sided tape)

This brand is recommended for its excellent adhesive performance and its compatibility with DuPont products. Width: 5cm, length: 10m

Hot welding

Examples of typical equipment settings:

- Leister Twinny S (self-driven equipment)
- Optimal settings: pressure: 300N, temperature: 260-270°C, speed: 1.6m/min
- Leister Triac PID hot air welding machine (manual)

A temperature of 270°C will yield optimal adhesion and seam strength.





Note on installation

Always install the Liner on a stable subsoil, such as concrete or a layer of sand. Remove any protruding sharp objects and protect it with a Typar geotextile

Dimensions: 33m x 4m, 33m x 6m 33m x 8m, 33m x 12m

For further information on products and installation, visit our website: www.plantexpro.dupont.com

Product safety Information is available upon request. This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own experimentation. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. This information may be subject to revision as new knowledge and experience becomes available. Since we cannot anticipate all variations in actual end-use conditions, DuPont makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent right.



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