

Air Dome

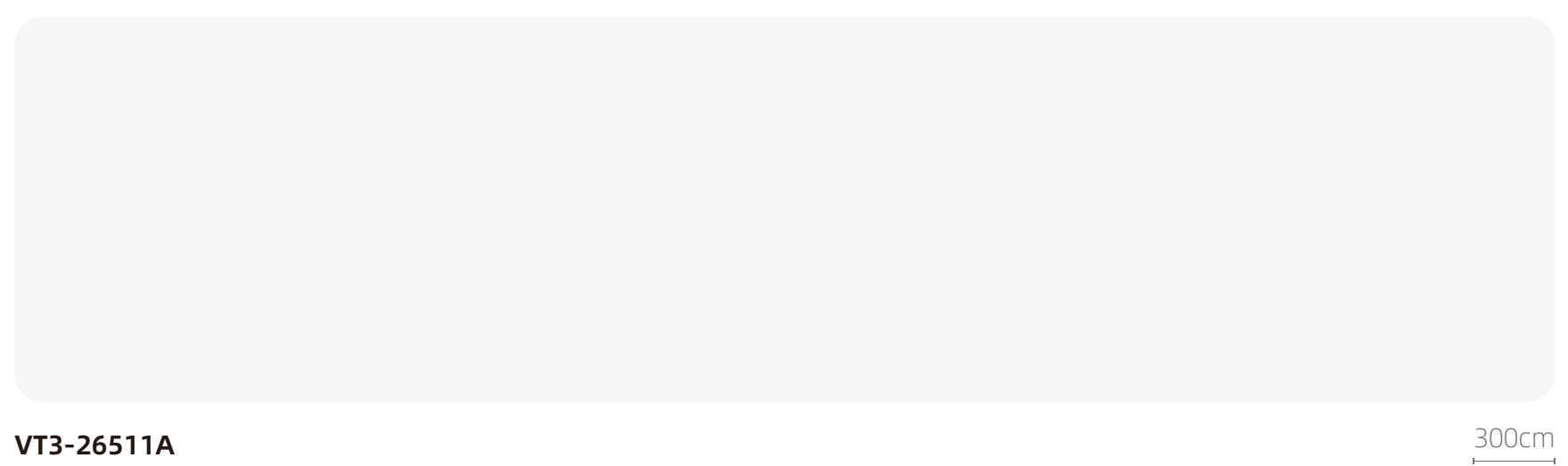
Special Membrane Series

650G - 2600N / 1200G - 5200N



650G - 2600N

INNER SURFACE

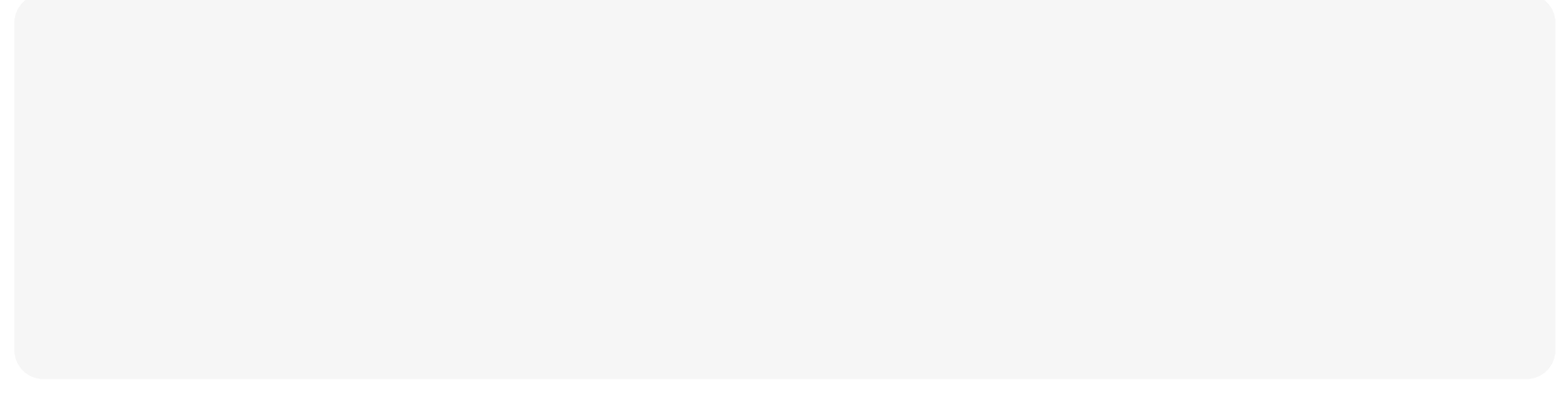


VT3-26511A

300cm

1200G - 5200N BO

OUTER SURFACE



VT6-512091FA







300cm

Special membrane for Air Dome

Vantex Air Dome Membrane covers a variety of categories, a wide range of application scenarios:

- Air Dome



<p>Air Dome Membrane Outer Surface</p> <h3>OUTER SURFACE</h3> <div><div>Fire-proof, Cold-resistance and Sun-resistance:<p>PVDF is used for high-temperature resistance and anti-droplets and Acrylic is used for dirty resistance and flame retardant, forming double barriers of fire prevention, which delays fire spread speed; after surface treatment, the membrane can be used normally in -30 °C ~ + 70 °C, especially extreme weather conditions ; high-quality raw materials and imported color luster keep color last for 8-10 years.</p></div><div><div>Superior tensile strength and tear strength:<p>Adopting high-strength , low-shrinkage industrial base fabric and selecting high-quality PVC resin from listed companies, the tensile strength and tear resistance is 10% higher than similar products. Meanwhile, the membrane could be welded by high-frequency welding machine.</p></div></div></div> <td><p>Air Dome Membrane Inner Surface</p><h3>INNER SURFACE</h3><div><div><div>Eco-friendly:<p>Compared with ordinary membrane on the market, Vantex membrane surface process is mature and stable, the inner acrylic coating combined with independent odor removal process, can decompose (VOC)to ensure that the air can reach the indoor health standards.</p></div><div><div>Easy to clean:<p>Imported surface treatment agents slow down the flow of plasticizers, avoid sticking on the surface. Compared with the ordinary membranes, dirt resistant and self-cleaning performance is improved by 20%.</p></div></div></div></div></td>	<p>Air Dome Membrane Inner Surface</p> <h3>INNER SURFACE</h3> <div><div><div>Eco-friendly:<p>Compared with ordinary membrane on the market, Vantex membrane surface process is mature and stable, the inner acrylic coating combined with independent odor removal process, can decompose (VOC)to ensure that the air can reach the indoor health standards.</p></div><div><div>Easy to clean:<p>Imported surface treatment agents slow down the flow of plasticizers, avoid sticking on the surface. Compared with the ordinary membranes, dirt resistant and self-cleaning performance is improved by 20%.</p></div></div></div></div>
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• Technical properties			
Product	VT3-26511A	VT6-512091FA	-
Width	300cm	300cm	DIN EN ISO 2286-1
Thickness	0.50mm	0.92mm	DIN EN ISO 2286-3
Total Weight	650g/m²	1200g/m²	DIN EN ISO 2286-2
Roll length	200 m/roll	200 m/roll	-
• Physical properties			
Tensile strength	Warp 2600N/5CM Weft 2400N/5CM	Warp 5200N/5CM Weft 5000N/5CM	EN ISO 1421
Tear strength	Warp 280N/5CM Weft 250N/5CM	Warp 700N/5CM Weft 700N/5CM	DIN 53363
Adhesion	≥100N/5CM	≥120N/5CM	EN ISO 2411
Crack resistance	-		DIN 53359-A
Elongation	-		EN 15977 (24h-100N/5cm)
Residual elongation	-		EN 15977 (24h-100N/5cm)
Anti-wicking	None		FZ/T64014-2009
Extreme working temperatures	-30~70°C		DIN EN 1876-1
• Flame retardancy			
Flame retardancy	B2	B1	-
Flame retardancy	-	Pass	
• Surface treatment			
Surface treatment	Single Acrylic	PVDF/Acrylic	-
• Solar optical values			
Color fastness	≥7	≥7	ISO 105-B04
UV Aging Test	≥4	≥4	ISO 4892-3 灰卡定级
• Eco friendly			
Anti-mildew Test	2-3 Grade	0 Grade	ASTM G21-15
Heavy Metal Test (Cd/Pb/Hg)	Pass		GB/T 26125
Odor Test	Pass		GB 18401
PH Value Test	Pass		GB 18401
Formaldehyde content test	Pass		GB 18401
• Certifications, labels, guarantees			
China Environmental Labelling	Pass		-
BSCI	Pass		-
ISO 9001 / ISO 14001 / ISO 45001	Pass		DIN EN

The technical data above are averaged values with a +/-5% tolerance.
Values quoted in this document are commonly used test results for design purposes. They are given for information only in order to offer our customers optimum usage of our products.
Our products are subject to improvements resulting from technical developments and we reserve the right to modify their characteristics at any time.
The purchaser of our products is responsible for checking the above data. The colours and textures presented are included for information only.