



Smart Membranes Specifications

VAC-SIL® is a registered trade mark of J-Flex

	VACSIL[®] SUPREME	VACSIL[®] PRO	VACSIL[®] LAMIN8 Fabric Reinforced	VACSIL[®] ENDURANCE+ Fabric Reinforced
Colour	Black	Blue	Green/Black	Orange/Black
Thickness	1mm (±0.3mm)	1.5mm or 3mm (±0.3mm)	3.8mm (±0.3mm)	4.0mm (±0.3mm)
Hardness	35° shore A (±5°)	55° shore A (±5°)	55° shore A (±5°)	55° shore A (±5°)
Average Tensile Strength	8.5 MPa	7.0 MPa	4.2 MPa	4.0 MPa
Elongation @Break	750%	500%	350%	300%
Continuous Operating Temperature	200°C	200°C	150°C	200°C
Characteristics	100% VMQ Silicone	100% VMQ Silicone	100% VMQ Silicone EVA & Acid Resistant 1 layer fabric composite	100% VMQ Silicone EVA & Acid Resistant 1 layer fabric composite
Typical Areas of Use	Vacuum Forming of composites and surface finishes within the Automotive, Furniture, Marine & Aerospace markets	Vacuum Forming of composites and surface finishes within the Automotive, Furniture, Marine & Aerospace markets as well as in Solar PV Panel Production	Solar PV Panel Production	Solar PV Panel Production

Please note: All stated specifications relate to cured material. We do not supply uncured material.

Testing for physical properties carried out on laboratory test pieces in accordance with appropriate industry specification.

Membrane Cycle Life: Can be variable as there are many factors outside of our control. The improved performance of the material offers the potential for significant and proven improvement, depending on the operating conditions.

IMPORTANT INSTALLATION NOTICE:

Load VAC-SIL® PRO Blue Membrane with the fabric impression (matt textured) **face down** against the module surface.

Load VAC-SIL® Lamin8 & Endurance+ Membranes with the Black EVA & Acid resistant **face down** against the module surface.

Please download and read our **Installation Guide & FAQs** document for further useful guidance and advice.

Request - or Download from our website - these Guides:

- "Solar PV Module Lamination Membranes - Optimising Performance"
- "Reducing the total cost of ownership of a Solar/PV Laminator"

Also these Documents:

- "The VAC-SIL® Installation Guide & FAQs"
- "The VAC-SIL® Main Brochure"



