

VACSIL[®]

Smart Membranes

for Lamination in:
Solar • Automotive • Furniture
Marine • Aerospace

Also
includes
precision
components:

Beltings, Seals,
Release Sheets,
Squeegee Edge
Profiles



Polymer Engineered Products from J-Flex

J-Flex is a leading UK elastomer solutions provider. Solutions include high performance elastomer sheetings for gasket conversion and lamination applications plus manufactured elastomer components such as; mouldings, extrusions, bellows, seals, sleeves and expansion joints.

VAC-SIL® Quality Membranes

have been specifically designed to be used as vacuum membranes for Solar/P.V. module lamination plus forming or thermo-pressing vinyl foil veneers on woodwork and composites in aerospace, F1 cars, marine and other general products.

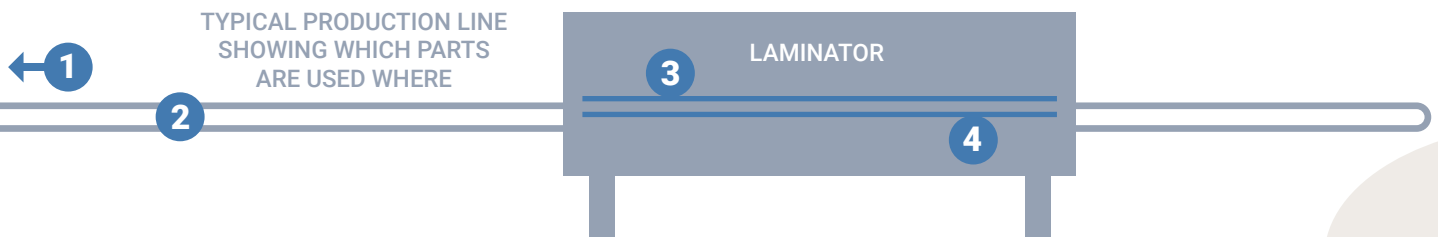
Listening to our valued customers and their experiences, VAC-SIL® Quality Membranes have been polymer engineered to give users excellent thermal and mechanical properties, with good chemical resistance that leads to optimum service life.

Precision Components

J-Flex can also supply a range of solar panel production components, such as: Squeegee Edge Profiles, Belting, Vacuum Seals and Release Sheets.

VAC-SIL® Quality Membranes bring many positive advantages including:

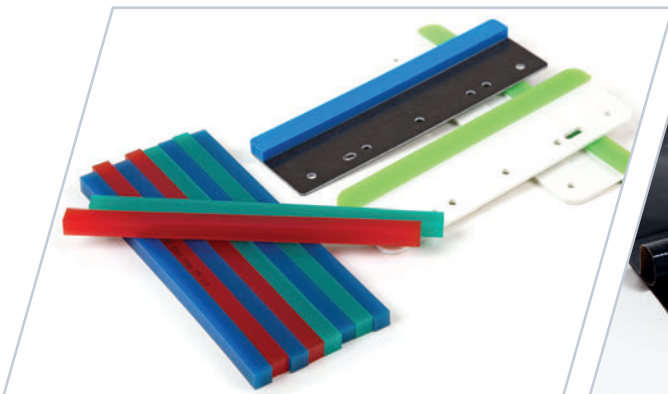
- Laboratory controlled membrane production
- Material totally post-cured = maximum mechanical properties
- Membranes up to 3850mm wide
- Membranes precision cut using CAD and digital cutting equipment
- Holes, slots & curves - no problem!
- Huge stocks of base materials
- Ex-stock or delivery by agreement
- Unique VAC-SIL® 9-Point Quality Plan
- Premium product packaging
- Excellent cycle life
- Temperature resistant
- Great strength & tear resilience
- Excellent release properties



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Squeegee Edge Profiles for screen printing in Solar P.V. cell production

Produced from the highest grade of Polyurethane (Vulkollan®). • Standard • High Grade (Ndi) • 2 Part Profiled Blade



2

PTFE / Glassfabric Products

- Stringer Belts - perforated
- Release Belts
- Transport Belts
- Vision Belts
- Platen Sheets

All items fabricated expertly and promptly



Relative Properties of Vac-Sil® Grades

VAC-SIL® SUPREME

- Colour: Black
- Excellent Life Cycle Performance
- 1mm thickness
- 35° Shore
- High Tensile Strength 8.5 MPa
- High Temperature +200°C

VAC-SIL® PRO

- Unique Blue colour
- Good Life Cycle Performance
- 1.5 and 3mm thicknesses
- Most economic grade
- 55° Shore
- High Tensile Strength 7.0MPa
- High Temperature +200°C

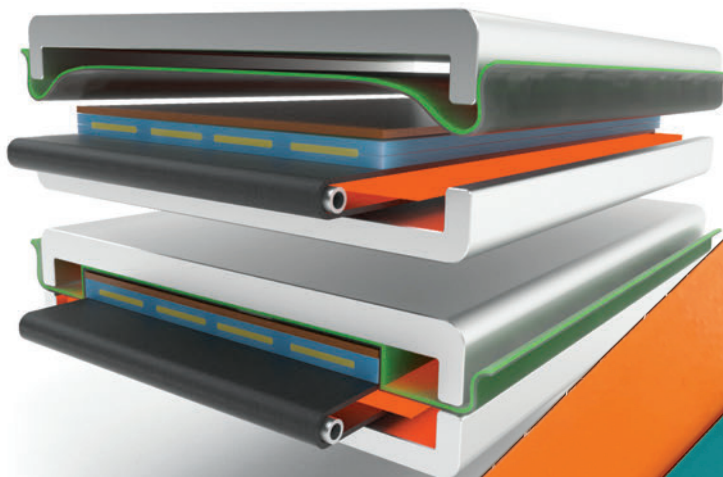
VAC-SIL® LAMIN8

- Unique Green/Black composite
- Very Good Life Cycle Performance
- Black gas side - Peroxide / E.V.A. Resistant Barrier
- 1 layer fabric reinforcement - tough mechanical strength
- 3.8mm thick
- Most cost-effective grade
- 55° Shore
- Maximum UPTIME
- Temperature +150°C

VAC-SIL® ENDURANCE+

- Unique Orange/Black composite
- Highest Life Cycle Performance
- Black gas side - Peroxide / E.V.A. Resistant Barrier
- 1 layer fabric reinforcement - tough mechanical strength
- 4mm thick
- Guaranteed for long life
- 55° Shore
- High Temperature +200°C

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



Most
Vac-Sil®
Membranes
Ex-Stock

3

4

Laminator Vacuum Seals

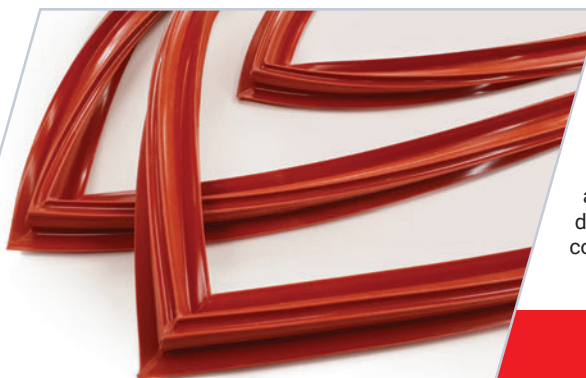
Cords or made-to-order
Fabricated Seals



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.



Get Smart - Get **VAC-SIL®** Quality Membranes

Download now at www.j-flex.com

- our VAC-SIL® Installation Guide & FAQs
- Datasheet with all Material Specifications
- Plus our Guides;
 - "Solar PV Module Lamination Membranes - Optimising Performance"
 - "Reducing the total cost of ownership of a Solar/PV Laminator"



VAC-SIL® membranes by provide superior performance, not only in the Solar Panel industry, but also for:

Automotive Sector - in the production of interior components and chassis tubs, using laminates and composites.

Furniture Lamination - used for the process of applying decorative foil veneer finishes to kitchen doors and carcasses.

Marine applications - applying decorative foil veneer finishes within yachts and ships, (tables, instrument panels, cupboards, etc.).

Aerospace - for the application of veneer finishes to aircraft interiors, (area divider panels, tables, cupboards, consoles, trims.etc.)



Do you have unique requirements?

We specialise in unique and unusual requests
Get in touch and put our experts the test!

Established in 1984, J-Flex is a privately owned company involved in the manufacturing & distribution of high end sheet products. Over this time our manufacturing facility has gained an enviable reputation for high quality elastomeric sheets and PTFE fabrics & belts.

Our Production Facilities are laboratory controlled and we are ISO9001 approved. J-Flex is also a member of the official Chemours Viton™ licensee programme.

J-Flex currently exports to over 50 countries worldwide.

Each VAC-SIL® Membrane from J-Flex passes a 9 point Quality Plan ensuring the best quality possible time after time. VAC-SIL® Quality Membranes conform to current Reach / SVHC requirements.

An active R & D programme keeps J-Flex at the forefront with top quality & innovative product offerings.

Sounds like perfection:
Sounds like J-Flex



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INNOVATIVE RUBBER SOLUTIONS

