

STOPAQ[®] INSULWRAP FR

Product Information

Product description: Stopag[®] Insulwrap FR is a vapour barrier wrapping material suited for dry applications. It is very well suited for use over insulation materials in (petro-) chemical installations, and for use in building and HVAC industry.

Stopaq[®] Insulwrap FR consists of a Aluminium / Polyester laminate backing, combined with a non-crystalline, low-viscosity, non-crosslinked (fully amorphous), non-reactive Polyisobutylene-based self-bonding sealant with flame retardant properties. The laminate backing provides elementary vapour barrier properties, while the Polyisobutylene-based self-bonding sealant provides an excellent bond to all types of substrates as well as to its own backing, thereby eliminating the risk of water vapour ingress at the overlaps.

Features:

- Excellent water vapour barrier properties
- Good puncture- and tear resistance
- Resistance to low temperatures without getting brittle •
- Flame retardant
- Equivalent to CINI 3.3.6. type B. •

Benefits:

- · Fast and easy to apply
- Adheres to virtually any type of substrate
- Excellent long term performance, even when continuously operated at • maximum service temperature.

Application examples

Chemical and Petrochemical industry: As vapour barrier on thermal insulation materials used in chemical and petrochemical industry for both hot and cold pipes, fittings, vessels, etc.

HVAC: As vapour barrier on thermal insulation materials used on HVAC pipes, ducts, etc.

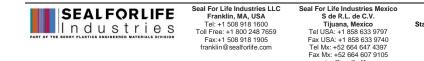
Building: As vapour barrier membrane in building constructions e.g. around windows, doors, walls, and other trouble spots.

| General order information | |
|---------------------------|--|
| Product | Stopaq [®] Insulwrap FR is supplied in rolls with |
| | following dimensions: |
| | Product dimensions and box contents: |
| | 50mm x 15m, 12 rolls/box |
| | 100mm x 15m, 6 rolls/box |
| | 600mm x 15m, 1 roll/box |
| Handling | Handle with care. Keep boxes upright. |
| Storage | Store indoor, clean and dry, away from direct |
| - | sunlight in a cool place below +40°C. |
| | Unlimited shelf life. |

| | es of Stopaq [®] Insulwrap FR |
|------------------------------|--|
| Thickness | Aluminium / Polyester laminate: 25 / 23 µm |
| | – Total product: |
| | $1.0 \pm 0.1 \text{ mm}$ |
| Temperature | Operational: - 45°C to +70°C |
| ranges | Application: Above +5°C |
| Water vapour permeability | Max 10 ⁻⁶ g/m².h.mmHg (ASTM E96 proc. E) |
| Tensile strength | > 3.0 N/mm ^{B)} |
| Peel test layer to | Peel strength at 100 mm/min |
| layer (overlap) | — @+23°C > 0.2 N/mm ^{A)} |
| | @+70°C > 0.02 N/mm^{A)} |
| Lap shear test | Shear strength @+23°C |
| (overlap) | shear rate 10 mm/min: > 0.02 N/mm^{2 A)} |
| | shear rate 100 mm/min: > 200 N / 50 mm^{C)} |
| | Shear strength @+70°C |
| | shear rate 10 mm/min: > 0.002 N/mm^{2 A)} |
| | - shear rate 100 mm/min: > 40 N / 50 mm $^{\text{C}}$ |
| ISO 21809-3 Amend | dment 1:2011 §18 |
| EN 12311-2:2013 M | ethod A |
| ⁾ EN 12317-1:1999 | |
| | |
| Application instru | uction – Brief version |
| General | Contact Seal For Life Industries for detailed |
| | application instructions on e.g. pipes, ducts, etc. |
| Substrate | The surface must be free from dirt. oil. moisture. |

| | application instructions on e.g. pipes, ducts, etc. |
|--------------------------|---|
| Substrate cleanliness | The surface must be free from dirt, oil, moisture, and other contaminants that impair proper application. |
| Application | Cut the foil to size, apply and mould it onto the surface. A minimum overlap onto itself of 50 mm is recommended. Remove the release foil gradually whilst applying. This will facilitate application and will minimize creasing and wrinkling. Avoid air inclusions, tenting and bridging at overlaps. |
| Information | |

| Information | |
|-----------------|---|
| Documentation | Extensive information is available on our web- site. Application instructions and other documentation can be obtained by contacting our head office, from our local distributor or by sending email to info@stopaq.com |
| Certified staff | Application of the described product should be carried out by certified personnel. |



Seal For Life Industries Stopaq B.V. Stadskanaal, the Netherlands Tel: +31 599 696 170 Fax: +31 599 696 170 Fax: +31 599 696 177 info@sealforlife.com

Seal For Life Industries BVBA Westerlo, Belgium Tel: +32 14 722 500 Fax: +32 14 722 570 belgium@sealforlife.com

Seal For Life India Private Ltd. Baroda, India Tel: +91 2667 264 721 Fax: +91 2667 264 724 india@sealforlife.com

mexico@sealforlife.com

 $Anodeflex^{^{\otimes}} - Stopaq^{^{\otimes}} - Polyken^{^{\otimes}} - Covalence^{^{\otimes}} - Powercrete^{^{\otimes}} - Sealtaq^{^{\otimes}} - Blockr^{^{\otimes}} - Easy.Qote^{^{\otimes}} - SynergyQ^{^{\otimes}}$

DISCLAIMER: Seal For Life Industries warrants that the product(s) represented within conform(s) to its/their chemical and physical description and is appropriate for the use as stated on the respective technical data sheet when used in compliance with Seal For Life Industries winten instructions. Since many installation factors are beyond the control of Seal For Life Industries the user is obligated to determine the suitability of the products for the intended use and assume all risks and liabilities in connection herewith. Seal For Life Industries liability is stated in the standard terms and conditions of sale. Seal For Life Industries makes no other warranty either expressed or implied. All information contained in the respective technical data sheet(s) should be used as a guide and is subject to change without notice. This document supersedes all previous revisions. Please see revision date on the left. Stopaq[®] is a registered trademark of Seal For Life Industries industries.