

STOPAQ[®] ALUCLAD FR

Product Information

Product description: Stopaq[®] Aluclad FR is a flexible wrap-around cladding material suited for outdoor use over insulation materials in (petro-)chemical, building, and HVAC applications.

Stopaq® Aluclad FR consists of a reinforced Aluminium backing combined with a non-crystalline, low-viscosity, non-crosslinked (fully amorphous), non-reactive pure homopolymer Polyisobutylene-based self-bonding sealant with flame retardant properties. The reinforced Aluminium 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
- UV-resistant
- Flame retardant •
- Equivalent to CINI 3.3.06 type C

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 and as sealing tape on seams of installed cladding for both hot and cold pipes, fittings, vessels, etc.

HVAC: As vapour barrier on thermal insulation materials and as sealing tape on seams of installed cladding on HVAC pipes, ducts, etc.

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

	(0)					
Product properti	Product properties of Stopaq [®] <product></product>					
Thickness	Aluminium backing:					
	 Aluminium layer: 20 μm 					
	 Aluminium + reinforcement: 200 µm 					
	Product:					
– 1.2 ± 0.1 mm						
Temperature	Operational: - 45°C to +70°C					
ranges	Installation: Above +10°C					
Tensile strength	Warp direction / MD: \geq 10 N/mm ^{A)}					
_	Fill direction / TD: \geq 5 N/mm ^{A)}					
Peel strength	Peel strength at 180 ^o angle and 100 mm/min ^{B)}					
between layers	 at +23°C > 0.2 N/mm 					
(overlap)	 at +70°C > 0.02 N/mm 					
Lap shear test	Shear strength at +23°C					
(overlap)	 shear rate 10 mm/min: > 0.02 N/mm^{2 B)} 					
	 shear rate 100 mm/min: > 200 N / 50 mm^{C)} 					
	Shear strength at +70°C					
	- shear rate 10 mm/min: > 0.002 N/mm ^{2 B)}					
	 shear rate 100 mm/min: > 40 N / 50 mm^{C)} 					
Ageing resistance	Ratio of peel strength between layers					
	 after thermal ageing for 100 days at 					
	+90°C: P' ₁₀₀ / P' ₀ ≥ 0.75					
	 after hot water immersion for 28 days at 					
	+90°C: P' ₂₈ / P' ₀ ≥ 0.50					
^{A)} EN 12311-2:2013 N	^{A)} EN 12311-2:2013 Method A					
^{b)} ISO 21809-3:2016						
^{A)} EN 12317-1:1999						
Application instr	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,					
cleanliness	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	
General order information		Documentation	Extensive information is available on our web-	
Product <u>Ar</u>	<u>t. Nr.:</u>	Stopaq [®] Aluclad FR is supplied in rolls with following dimensions: <u>Product dimensions and contents:</u> 100mm x 10m, 6 rolls/box	documentation can be obtained our head office, from our local di	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
Handling Storage	Handle with care. Keep boxes upright. Store indoor, clean and dry, away from direct	Certified staff	Application of the described coating system should be carried out by certified personnel.	
			sunlight in a cool place below +40°C. Unlimited shelf life.	· · ·



Seal For Life Industries LLC Seal For Life Industries Mexico Seal For Life Industries LLC Franklin, MA, USA Tel: +1 508 918 1600 Toll Free: +1 800 248 7659 Fax:+1 812 250 0834 franklin@sealforlife.com

eal For Life Industries Mexic S de R.L. de C.V. Tijuana, Mexico Tel USA: +1 858 633 9797 Fax USA: +1 858 633 9740 Tel Mx: +52 664 647 4397 Fax Mx: +52 664 607 9105 mexico@sealforlife.com

Seal For Life Industries Seal For Life Industries Stopaq B.V. Stadskanaal, the Netherlands Tel: +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

Anodeflex[®] - Stopaq[®] - Polyken[®] - Covalence[®] - Powercrete[®] - Sealtaq[®] - Blockr[®] - Easy.Qote[®] - SynergyQ[®] - Protecta-mesh[®]

DISCLAIMER: Seal For Life Industries warrants that the product conforms to its chemical and physical description and is appropriate for the use stated on the technical data sheet when used in compliance with Seal For Life Industries' written instructions. Because many installation factors are beyond the control of Seal For Life Industries, the user shall determine the suitability of the products for the intended uses and assume all risks and liabilities in connection herewith. Seal for Life's liability is stated in its General Terms and Conditions of Sale. Seal For Life Industries makes no other warranty either express or implied. All information contained in this technical data sheet is to be used as a guide and is subject to change without notice. This technical data sheet supersedes all previous data sheets on this product. Seal For Life Industries is a registered marks of the Berry Global Group, Inc. or its affiliates.