

SEALTAQ[®] UNIVERSAL BAND (UB)

Product Information

Product description:

Sealtaq[®] Universal Band (UB) is a unique, low temperature and cold-applied, non-toxic polymer based product, with viscoelastic- and cold flow properties. Due to this liquid nature, it flows into all irregularities of the substrate. The compound does not cure and is unable to build up internal stress and can be topcoated with one of our SFL Topcoats.

Sealtaq[®] UB is adhering very well to ferrous- and non-ferrous substrates, coated substrates, wood, foam glass, difficult substrates like PE and PP, but also to dry concrete or bitumen when the substrate is dry and clean.

Sealtaq[®] UB is intended to be used for a wide range of structural applications or repairs for above ground applications, where airtightness, water ingress and/or corrosion is a problem. Sealtaq[®] UB is easy to install offering excellent sealing or corrosion preventing properties and has a recoatable surface.

Sealtaq[®] UB is fully resistant to water and has a very low gas- and water vapour permeability, offering long-term performance in e.g. commercial and residential constructions, telecommunications, transportation, power industry, etc.

Features:

- Can be topcoated with various SFL topcoats for added mechanical strength, chemical resistance, cleanability, solar reflection and visual aspects
- Surface tolerant - e.g. for steel substrates blasting techniques are not required, wire brushing is sufficient (ISO 8501-1: St2)
- Low surface tension; adheres on many types of dry substrates at a molecular level
- Resistance to low temperatures without getting brittle
- Controlled cold flow providing permanent inflow into the finest pores of the substrate
- Very low gas- and water vapour permeability
- No VOC/Non-toxic product
- Resilient, sound-damping characteristics
- Inert to ageing and weathering
- Resistant to many chemicals like water, salts, and polar solvents. For additional information, please contact Stopaq B.V.

Benefits:

- Environmentally friendly, no health and safety hazards to humans
- Fast and easy to apply, even at low temperatures
- Can be moulded onto various types of irregular shaped objects, often in combination with Sealtaq[®] Paste
- Can be used as a monolithic carrier for several SFL Topcoats

Application examples

Surface tolerant protection: On steel or other dry substrates when substrate preparation like blasting, grinding or etching are no option.

Joint Sealant: For sealing of all type of vertical wall- joints between different types of dry substrates, such as concrete, wood, steel-profiles, facades, etc.

Roofing: cold applied roofing protection on new steel and concrete roofing structures, existing EPDM, TPO, PVC, bitumen, etc. with suitable SFL Topcoat.

Cable / pipe connection sealant: For sealing of all type of cable- or pressure-less pipe connections.

Product properties Sealtaq[®] Universal Band

Colour	Ivory
Thickness	1.0 ± 0.1 mm
Density	1.5 ± 0.1 g/cm ³ (ISO 1183-1)
Temperature ranges	Operation : - 45°C up to +70°C : - 42°F up to +158°F Substrate during application: - 10°C up to +50°C : +14°F up to +122°F
Water absorption	Compound: < 0.03% (ASTM D570)
Peel test	Tested at +23°C and +70°C *) at a rate of 100 mm./min. on steel substrate: – Cohesive failure, no signs of adhesive failure – Residual preventing film remaining on substrate, coverage >95%
Thermal aging resistance and hot water immersion test	Accelerated ageing during 100 days@ +70°C in dry atmosphere and immersed in hot water: Results of peel test after ageing were not affected: cohesive failure, no signs of adhesive failure, and residual corrosion preventing film remaining on substrate.

*) According to ISO 21809-3:2008/Amendment 1:2011

General order information

Product	Sealtaq[®] Universal Band <u>Product dimensions and contents:</u> 50mm. x 5m. : 24 rolls/box (576 rolls/pallet) 100mm. x 10m: 6 rolls/box (180 rolls/pallet) 200mm. x 10m: 2 rolls/box (96 rolls/pallet) 300mm. x 10m: 2 rolls/box (80 rolls/pallet)
Handling	Handle with care. Keep boxes upright.
Storage	Store indoor, clean and dry, away from direct sunlight in a place at temperatures below 35°C (86°F). Unlimited shelf life.

SEALTAQ® UNIVERSAL BAND (UB)

Application instruction: Job preparation	
Tools, equipment and auxiliaries	<ul style="list-style-type: none"> Temperature probe, Dew point tester, High voltage holiday tester (when required) Scissors, knife, measuring tape, steel seam-roller SFL Abrading pads, wire brushes SFL Substrate Cleaner Personal protective gear
High humidity	Sealtaq® UB can be applied in a humid atmosphere. The substrate should be free from condensing water which can be reached by keeping the temperature at least 3°C (5°F) above dew point.
Work area and substrate	The substrate surface should be dry, clean and protected against negative weather influences.
Product conditions	Sealtaq® UB should be dry. For the ease of application, the preferred product temperature should preferably be above +5°C (41°F).

Application instruction: Surface preparation	
General	The area to be coated has to be clean, dry, and free from oil, grease and dust. All contamination including mill-scale has to be removed.
Degreasing	Degrease surfaces with SFL Substrate Cleaner and e.g. a lint-free cloth.
Salts and bacteria	No need for additional cleaning.
Preventing condensation of water	Prior to and during the application, the temperature of the substrate(s) must be at least 3°C (5°F) above the dew point.
Substrate temperature	Temperature of the substrate should preferably be between +5°C and +40°C (41-104°F) for fast and easy application. Preheating may be required when temperature < 5°C (41°F).
Concrete substrate	Concrete must be cured to at least a maximum residual moisture content of 5%. The area has to be clean, dry and free from oil, grease and dust. Remove free stagnant water, repair excessive cracks and resurface exposed aggregate and small voids with a suitable high-strength, fast curing, non-shrinking product. In case concrete stays wet, a suitable primer underneath the Sealtaq® UB is recommended.
Steel	Minimum requirement for surface cleanliness is St-2 according to ISO 8501-1. Roughness profile is not essential for adhesion.
Other substrates	De-gloss and degrease the surfaces by using an SFL Abrasive pad and SFL Substrate Cleaner.
Cleanliness check	Take a small piece of Sealtaq® UB (approx. 150x50mm.). Remove the release foil and fold it back for about 25mm. Put the CSB onto the surface, press it firmly and leave it for approx. 15 minutes. Pull the UB slowly from the substrate with an 135 deg. angle and a 100 mm/min. speed. Cohesive fracture should occur and coverage of the surface with remaining material should be > 95%. If less, substrate cleaning is not sufficient.
Final check	The substrates prepared for coating, should be clean, dry and free of dust according to ISO 8502-3, grade 3.
Pre- moulding of difficult corners in construction	Before applying the Sealtaq® UB it is recommended to pre-mould in difficult corners, weldings and edges with Sealtaq® Paste to be sure that no water ingress can occur.

Application instruction: Brief version	
Removal of release liner	Remove the release liner just prior to the moment of adhesion of the Sealtaq® Universal Band to the substrate, such to avoid contamination of the adhesive surface of the product and to avoid unintended premature adhesion to the substrate.
Application/Patching	Start with removal of a small part of the release liner and put the pre-cut Sealtaq® Universal Band onto the substrate. Continue with removal of small lengths of release liner immediately followed by adhesion to the substrate. Slight tensioning is allowed when wrapping around tubular objects, but avoid tensioning when patching onto e.g. flat substrates. Avoid air-enclosures. Mould the Sealtaq® UB tight onto the substrate surfaces.
Overlap	When the substrate is perfectly flat, the pre-cut material can be applied knocked against each other. When substrate is not flat a minimum side-by-side overlap of 10mm. (approx. 1/2") is required. This will be visual in the finished system. Use a steel seam-roller to ensure proper adhesion at overlaps.
Coatings	After application it is recommended to apply one of the SFL Topcoats. Please contact STOPAQ B.V.
Specific applications	For specific application instructions contact STOPAQ B.V.

Application instruction: Quality Control	
Visual inspection	The appearance of Sealtaq® UB must look smooth and tight and should cover all details.

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@sealforlife.com
Certified staff	Application of the described coating system should be carried out by certified personnel.



Seal For Life Industries LLC
Franklin, MA, USA
Tel: +1 508 918 1600
Toll Free: +1 800 248 7659
Fax: +1 508 918 1905
franklin@sealforlife.com

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

Anodeflox® - Stopaq® - Polyken® - Covalence® - Powercrete® - Sealtaq® - Blockr® - Easy.Qote® - SynergyQ®

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 written 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. Sealtaq® is a registered trademark of Seal For Life Industries.