

STOPAQ[®] WRAPPINGBAND SZ

	Product properties of	f Stopaq [®] Wrappingband SZ	
Product Information	Colour	Dark green	
	Thickness	3,5 mm [140 mils] ± 10% ^{A)}	
Product description: Stopaq [®] Wrappingband SZ is a corrosion preventing wrap	Density	1,3 – 1,4 g/cm ³ [10.8 – 11.7 lb/gal] (ISO1183-1)	
material, adhering extremely well to wet surfaces such as immersed bare and coated steel. It is based on a compound containing non-crystalline, low-	Temperature ranges	Operational -20 to +50 °C [-4 °F to +122 °F]	
viscosity, non-crosslinked, (fully amorphous) pure homopolymer	-	Short term max. +70°C [+158 °F]	
Polyisobutene. Stopaq [®] Wrappingband SZ is viscous at the indicated operating	Drip resistance	Tested 48h @ +85 °C [+185 °F] ^{A)}	
temperatures and, due to its liquid nature, flows into all irregularities of the	A disectory	No dripping of compound	
substrate. The compound does not cure and is unable to build up internal	Adhesion	Peel tests on carbon steel St 2 cleanliness (ISO 8501-	
stress.		1), and plant coating PE and Neoprene, whereby the coating was applied under the following conditions:	
		 Dry (no detectable salt residues) 	
Stopaq [®] Wrappingband SZ is applied as elementary part of the Stopaq [®] Splash		 Dry (no detectable salt residues) Dry with NaCl contamination approx. 1000 mg/m² 	
Zone Coating System and requires additional mechanical protective layers like		 Dry with Naci containination approx. 1000 mg/m Immersed in fresh water 	
Stopaq® Intermediate Wrap PVC and Stopaq® Outerglass Shield XT Grey. This		 Immersed in fresh water Immersed in 3% NaCl solution 	
improves impact and indentation resistance of the coating system and ensures		- Infinersed in 3% Naci solution	
adequate performance of the corrosion preventing properties.		Peel test before ageing, after thermal ageing and	
		after hot water immersion both for 100 days at +70	
Features:		°C [+158 °F] (=Tmax + 20 °C) ^{A)}	
 Controlled cold flow providing permanent inflow into the finest pores of the substrate 			
 Resistance to low temperatures without getting brittle 		 Peel strength: 	
Conforms to irregular shapes		@ +23 °C [+73 °F] ≥ 0,04 N/mm [3.6 ozf/in]	
 Low surface tension; adheres on many types of dry and wet substrates at a 		@ +50 °C [+122 °F] ≥ 0,02 N/mm [1.8 ozf/in]	
molecular level		 In all cases: 	
• Surface tolerant: no blasting techniques required, wire brushing is sufficient		Cohesive separation mode	
(ISO 8501-1: St 2)	the state of the s	$Coverage \ge 95\%$	
Constant film thickness	Lap shear resistance	Tested on steel St 2 cleanliness ^{A)} – Lap shear strength:	
Adhesion based on vanderWaals forces		= Lap shear strength. @ +23 °C [+73 °F] ≥ 0,004 N/mm ² [0.58 psi]	
		$(0.15 \text{ ps})^{-2} = 0.004 \text{ N/mm}^2 [0.15 \text{ ps}]^{-2}$ $(0.15 \text{ ps})^{-2} = 0.001 \text{ N/mm}^2 [0.15 \text{ ps}]^{-2}$	
Benefits:		- In all cases:	
 Safe to use. No physical, health or environmental hazards 		Cohesive separation mode	
Fast and easy to apply		Coverage ≥ 95%	
Easy to control application	Properties of Stopag [®] Splash Zone Coating System		
 Can be moulded onto various types of irregular shaped objects 	Construction	1. Stopaq [®] Wrappingband SZ: 2 layers.	
		2. Stopaq [®] Intermediate Wrap PVC: 2 layers.	
Application eventues		3. Stopaq [®] Outerglass Shield XT Grey: 3 layers.	
Application examples	Total thickness	approx. 8 mm [± 5/16 "] ^{A)}	
Offshore and submerged structures: For protection against external corrosion	Impact resistance	Tested @+23 °C [+73 °F]: ≥ 15 J [132 in.lbf] ^{A)}	
of steel jetty-pile structures situated in the splash zone.	Indentation	Tested at indentation pressure of 10 N/mm ² [1450	
	resistance	psi] @ +23 °C [+73 °F] and @ +50 °C [+122 °F] ^{A)}	
Immersed pipelines: For protection against external corrosion of immersed		– residual thickness ≥ 0.6 mm [24 mils]	
carbon steel pipelines.	Specific electrical	$Rs_{100} \ge 10^8 \Omega.m^2 [\ge 10^9 \Omega.ft^2]^{A}$	
	insulation resistance		
Underwater pipe coating repair: For pipe coating repair, coating	^{A)} In accordance with ISO 2	21809-3:2016	
rehabilitation, and protection against external corrosion of immersed pipeline			
coating defects.	General order inform		
	Product	Stopaq [®] Wrappingband SZ is available in	
		rolls with following dimensions (W x L):	
	<u>Art. Nr.:</u>	Product dimensions and contents:	
	4401	100mm x 6m [4" x 19'7"], 6 pcs/box	
	Handling	Handle with care. Keep boxes upright. Store indoor, clean and dry, away from direct	
	Storage	store indoor, clean and dry, away from direct sunlight in a cool place below +45 $^{\circ}C$ [113 $^{\circ}F$].	
		Unlimited shelf life.	
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Application instruction	on - Job preparation
General	Underwater application of Stopaq® Wrappingband SZ and additional Stopaq® materials should only be carried out by professional divers certified for application of Stopaq® products.
Tools, equipment and auxiliaries	 Surface preparation tools like water jetting equipment or power tooled wire brushes Scissors, Knife, Measuring tape, Perforation roller Personal protective gear and diving gear
Additional coating materials	Additional materials are required as described in the specific coating instructions. For example, the following Stopaq® materials are needed for completing the installation of the Stopaq [®] Splash Zone Coating System: – Stopaq [®] Intermediate Wrap PVC – Stopaq [®] Outerglass Shield XT Grey – Stopaq [®] Compression Foil Depending on the type of application, the use of other materials may be required.
Application	The water and substrate temperature during
conditions	application should be > +5°C [+41°F].

Application instruction - Surface preparation		
General	All substrates must be free from marine growth.	
	Mill-scale, loose rust, loose remainders of old	
	coating, oil, grease and other adhering matter need	
	to be removed. Water jetting equipment may be	
	used to obtain a sufficient clean substrate.	
Steel substrate	The entire steel substrate should at least be cleaned	
	to St 2 cleanliness grade (ISO 8501-1).	
	Start and end section of the area to be coated	
	should be thoroughly cleaned to bare steel e.g. by	
	using high pressure water jet cleaning.	
	Roughness profile is not essential for adhesion.	
	Areas with existing coating should be cleaned and	
	de-glossed.	

Application instruction – Brief version		
See specific Stopaq coa System	ating instructions for e.g. Stopaq [®] Splash Zone Coating	
Wrapping	Start with removal of a small part of the transparent release liner and apply the Stopaq [®] Wrappingband SZ onto the substrate. Apply the Wrappingband by moulding it to the substrate and minimize air- or water entrapment underneath the Wrappingband. Avoid strong pulling force on the roll of material and the Wrappingband.	
Release liner	Do not remove the transparent release liner completely before application of the Stopaq [®] Wrappingband SZ. Remove just prior to application onto the substrate.	
Overlap of wraps	Side-by-side overlap: 50% Consecutive rolls: \geq 100 mm [4"]	
Visual inspection	The appearance of Stopaq [®] Wrappingband SZ should look smooth and tight, and should cover all details with at least two layers of Wrappingband.	
Mechanical protection	Stopaq [®] Wrappingband SZ must be protected against impacts, indentations, water pressure and other influences within the shortest period of time possible after finishing application. This is obtained by subsequent application of additional coating materials as per the specific application instruction, e.g. by application of Stopaq [®] Intermediate Wrap PVC and Stopag [®] Outerglass Shield XT.	

Handling and commissioning		
Exposure to loads	Objects coated with Stopaq [®] Wrappingband SZ should not be exposed to loads e.g. from supports- or lifting equipment.	
Commissioning	Commissioning is possible immediately after completion of the coating application. Consult data sheets for specific instructions of additional materials used.	

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



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

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 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 industries that the product and the suitability of the product sheet 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.