

STOPAQ[®] SUBSEA COMPOUND

Product Information

Generic type: Non-crosslinked, non toxic, single component, water- and gas tight compound for underwater applications. Adheres on dry and wet surfaces of steel, concrete, brick, PVC and others. No primer needed, does not cure, remains permanently flexible.

Product description: STOPAQ[®] Subsea Compound is a compound suited for corrosion protection of steel objects fully or partial submerged in water. The compound remains visco-elastic at the indicated temperatures of use and therefore flows into all irregularities on the substrate surface. The compound does not cure and is unable to build-up internal stresses. Subsea Compound has no resistance to mechanical impacts and therefore always need to be covered with a mechanical protective layer such as STOPAQ[®] Outerglass Shield XT24 for submerged applications.

Features:

- Requires only minimal surface preparation ST2 / ST3
- Adheres on wet and dry surfaces
- Fast and easy to apply
- Easy to shape on irregular surfaces
- Impermeable to water- and oxygen
- Steel substrate gets invulnerable for MIC
- Non-toxic
- Does not age

Benefits:

- The sealing remains permanent flexible
- Does not demand special tools for application
- Harmless to environment and workers
- No material waste - paste re-usable
- Immediate sealing: no curing time needed
- Provides permanent and optimal safety
- No fumes, no chemical reactions
- No osmosis or undercreep possible
- No cathodic disbondment

Application examples

Example:

- Submerged steel piles
- Submerged Jetty piles
- Splash zone protection
- Submerged pipelines

Product properties STOPAQ[®] Subsea Compound

Colour	Green
Thickness	3.5 mm
Density	1.2 g/cm ³
Water absorption	10 – 20% (ASTM D570)
Temperature ranges	Application: +10 to +35°C Operation: -20 to +45°C
Adhesion performance	Peel test results in cohesive fracture.

Properties STOPAQ[®] Subsea Compound with Outerglass Shield XT24

Construction	2 plies of Subsea Compound 2 plies of Outerglass Shield minimum
Thickness	Subsea Compound: 7 mm Outerglass Shield XT24: 1.3 mm Total: 8.3 mm

General order information

Order info	STOPAQ [®] Subsea Compound is available in rolls protected by siliconized release foil on one side and comes in various sizes (w x l): Art. Nr. 4300: 100 mm x 6 m Art. Nr. 4301: 200 mm x 10 m
Packaging	Rolls packed in cardboard boxes and boxes stacked on pallets: Art. Nr. 4300: 6 rolls per box 180 rolls per pallet (30 boxes) Art. Nr. 4301: 2 rolls per box 96 rolls per pallet (48 boxes)
Handling	Handle with care. Keep boxes upright. Do not stack heavy weight loads on top of rolls, boxes or pallets
Storage	Store in cool areas below 30°C. Store away from heat sources, direct sunlight and moist. Unlimited shelf life.

PRODUCT DATA SHEET STOPAQ® SUBSEA COMPOUND

Application instruction: Preparation		Application instruction – Brief version	
General	Underwater application of Stopaq Subsea Compound and subsequently Outerglass Shield XT24 should be carried out by STOPAQ Oil & Gas Services certified professional divers only.	Handling	Areas coated with STOPAQ® Subsea compound without mechanical protection should not be exposed to loads from supports or lifting equipment. The rolls should not be submerged before application.
Tools and equipment	Surface preparation tools, scissors, knife, measuring tape, rubber gloves, application roller	Application of Subsea Compound	Subsea Compound must be slightly pressed to the substrate while wrapping, creating an even surface. Avoid air and water enclosures. Subsea compound must be applied with an overlap of 50%.
Working conditions	The water temperature during application should be >+10°C	Visual inspection	The applied Subsea Compound must look smooth and should cover all details with a thickness of at least 7mm.
Ambient conditions	Ambient temperature should be between +10°C and +45°C	Mechanical protection	The ready shaped Subsea Compound should be protected against impact, water pressure or other influences by means of layers of STOPAQ® Outerglass Shield XT24 starting and ending at least 200 mm over the border zone of the Subsea Compound. STOPAQ® Outerglass Shield XT24 shall be applied with an overlap of at least 50%, thereby creating a protective layer of at least 2 plies of material. See product data sheet of STOPAQ® Outerglass Shield XT24 for further instructions.
Subsea Compound	STOPAQ® Subsea Compound should be handled with care before and during application.		
Application instruction: Surface preparation			
Substrate conditions	All substrates need to be free from marine growth. Loose rust, loose remainders of old coating, oil, grease and other adhering matter need to be removed.		
Concrete and brick	Clean concrete or brick objects by means of rubbing with an abrading pad, sweeping with a brush or water jetting.		
Steel	Start and end section of area to be wrapped should be clean bare metal, preferably cleaned with MONTI Subsea Bristle Blaster tool. Roughness profile is not essential for adhesion. Other areas of steel substrate should at least be prepared according to ST 2 (ISO 8501-1)		
		STOPAQ® information and warranty	
		Documentation	Extensive information is available on our web-site. Application instructions, "STOPAQ® Technical Standard" can be required from our head office or local distributor; info@stopaq.com
		Certified staff	The application of STOPAQ® coating system should always be carried out by certified personnel.



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