

STOPAQ® SUBSEA COMPOUND

Product Information

Generic type: Non crosslinked, non toxic, single component, water- and gas tight synthetic polyolefin compound for underwater applications. Adheres on dry and wet surfaces of steel, concrete, brick, PVC and others. No primer needed, does not cure, but 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 is always viscous at temperatures of use: -20°C up to +35°C and therefore flows into all irregularities on the substrate surface. The compound does not cure and is unable to build-up internal stresses. The Subsea Compound has no mechanical resistance and therefore always needs to be covered with a mechanical protective layer such as STOPAQ® MC Glass Shield.

Features:

- Requires only minimal surface preparation
- Adheres on wet and dry surfaces
- Fast and easy to apply
- Conforms to any shape
- Has no pot-life, does not become hard
- Resists up to 1 bar of water pressure, in combination with STOPAQ® MC Glass Shield
- Water- and gas impermeable
- Non Toxic - applicator- and environment friendly
- Does not age

Benefits:

- The sealing remains permanently 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

Splash zone protection: The STOPAQ® Subsea Compound is suited for the protection of steel Jetty Piles to protect against corrosion below water level and splash zone.

Sheet pile protection: The STOPAQ® Subsea Compound is suited for the protection of submerged sheet piles against corrosion.

Concrete protection: The STOPAQ® Subsea Compound is suited for the protection of submerged concrete object to avoid water absorption generating corrosion on the reinforcement.

Product Properties_ STOPAQ® Subsea Compound

Colour	Green
Density	1,5g/cm ³ (NEN 1183 - 1)
Moisture absorption	10 - 20% (ASTM D 570)
Temperature Ranges	Operation temperature: <ul style="list-style-type: none"> • -20°C - +35°C • Application temperature Subsea Compound material: between +10°C and +35°C
Flashpoint	> 170°C
Adhesion performance Steel, Concrete, Brick, PE and PP:	0,053 N/mm ² , Cohesive fracture (EN 12068) (For other materials, consult STOPAQ® Europe Technical Department).
Permeability	>0,2g/m ² /day (ASTM E 96)
Corrosion resistance	No corrosion (ASTM 2671)
Dielectrical strength	>12 Kv/mm

Product Properties_ STOPAQ® Subsea Compound with STOPAQ® MC Glass Shield

STOPAQ® Subsea Compound	7mm thick + 5mm thick layer of moisture curing STOPAQ® MC Glass Shield
Pressure resistance:	Max. 1 bar water pressure

General Order Information

Product	STOPAQ® Subsea Compound is available in sheets protected by siliconized foil: <ul style="list-style-type: none"> • Length 550mm • Width 370mm • Thickness 7mm <p>Please consults STOPAQ® Europe BV for other Product dimensions</p>
Packaging	In boxes. 10 sheets per box – 300 per pallet.
Handling	Handle with care. Keep boxes upright.
Storage	No shelf-life

Application instruction _Preparation		Application instruction _ Final steps	
Application equipment	1 Rubber gloves 2 Putty knife, (Blade 50mm wide) 3 Abrading pads (Scotchbrite type) 4 Pinpoint roller (application STOPAQ® MC Glass Shield)	Visual inspection	The applied Subsea Compound must look smooth and should cover all details with a thickness not less than 7mm.
Working conditions	The water temperature during application should be >+10°C	Mechanical protection	The ready shaped Subsea Compound should be protected against impact, water pressure or other influences by means of a layer of STOPAQ® MC Glass Shield starting and ending over the border zone of the Subsea Compound.
Ambient conditions	Ambient temperature should be between +10°C and +30°C	Pinpoint rolling	STOPAQ® MC Glass Shield to be applied in 4 layers with 25% overlap. After application of the 4 layers of STOPAQ® MC Glass Shield please apply stretching foil over the total surface in order to get a even and smooth surface.
Substrate conditions	All substrates need to be free from marine growth and loose rust/coating need to be removed, surface preparation St 2/3 Anchor pattern is not required for the application of STOPAQ® Subsea Compound.	Polimerisation	For an even polymerisation proces use pinpoint roller.
Hot conduits	Pipes and cables with surface temperatures above 35°C should be thermal insulated before sealing with STOPAQ® Subsea Compound.	Bringing into service	
Subsea Compound	The STOPAQ® Subsea Compound sheets need to be handeled with care before and during application.	Handling	Areas coated with STOPAQ® Corrosion Prevention materials and without mechanical protection should not be exposed to loads from supports or lifting equipment.
Application instruction _Surface Preparation		STOPAQ® Information and Warranty	
General	All surfaces must be free of oil, grease, dirt and poorly adhering matter, such as cement film, paint or other.	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
Concrete & Brick	Clean concrete or brick objects by means of rubbing with an abrading pad, sweeping with a brush or water jetting.	Certified staff	The application of STOPAQ® CZH coating system should always be carried out by certified personnel.
Steel and other substrates	Steel surfaces to be prepared to grade St 2/3. Polyethylene, Polypropylene: Abrade the substrate with abrading pad in order to de-gloss and roughen the surface. Clean or flush with water prior to application.	STOPAQ® performance Long term guarantee	Extensive laboratory tests and more than 10 years of service in extreme wet and chemical aggressive environments have proven that Corrosion, Bacterial Growth or Stress Corrosion Cracking cannot develop on substrates, coated with STOPAQ®. STOPAQ® offers a 30 year guarantee on the material properties of the STOPAQ® CZH materials as described in this document. The lifetime of the STOPAQ® CZH materials is more than twice this period. The product is NSF Certified.
Application	The sheets must be slightly pressed to the substrate creating a smooth surface. Avoid air and water enclosures. The sheets must be applied with an minimum overlap of 2cm.	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



Gasselterstraat 20
 9503 JB Stadskanaal
 [T] +31 (0)599 696170
 [F] +31 (0)599 696177
www.stopaq.com

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