PRODUCT

SUBCOM® T.260

DESCRIPTION

SUBCOM T.260 is a thixotropic, solventless, two packs, Epoxy Polyamide mastic designed for underwater and other wet applications on steel, concrete, masonry and wood surfaces.

USES

- Spreadable by hand, high thickness coating to waterproof and protect against corrosion and erosion steel, concrete, masonry and wooden structures in splash, tidal or completely submerged areas.
- Adhesive for "CARBONFORCE ®"Carbon Fiber and Carbon Lamellas underwater application.
- Sealing of formworks for underwater application of SUBCOM 150.

SPECIFICATION

Grit blasting of splash zone

Application of SUBCOM T.260

- Form:	Two pack, high viscosity paste to be mixed immediately prior to use.
- Colour:	Part "A" (resin) yellow, Part "B" (hardener) blue, Mixed: semiglossy green Grey colour on request
- Mixing Ratio:	1:1 by volume 54 Parts "A" to 46 Parts "B" by weight or
- Density:	1,6 ± 0,05 Kg
- Solids content:	100%
- Pot Life:	Up to 30 minutes depending on ambient temperature and mixed quantity.
- Full cure:	7 days
- Dry film thickness:	3-5 mm
- Theoretical coverage rate:	1,6 kg x mm x sqm
- Temperature resistance:	Tested 100 hours in hot water at 80°C
- Limitations:	Not recommended: - when ambient and/or surface temperature is below +5°C. - wave height 60 cm. max. - sea currents >0,9 knots.
- Storage Life:	24 months (minimum) if stored, under cover in the original, tightly sealed pails.
- Packaging:	10 and 60 kg units (comp. A+ comp. B).

HOW TO USE

Application of SUBCOM T.260 on concrete piles

SURFACE PREPARATION

It is essential that surfaces are free from loose material and surface contaminants such as rust, dirt, barnacles, oil, grease, loose concrete, etc…
This is best accomplished by grit blasting, high-pressure water jet techniques or pneumatic wire brushing, which can be carried out both above or below water.
Steel: grit blasting to near-white metal S.a.2,5, surface profile Rz ≥ 70µ.
Concrete: grit blasting to coarse surface.

MIXING

SUBCOM T.260 is supplied in two separate packs: "A" resin and "B" hardener to be mixed by hand, in the indicated ratios, till the blue and yellow colours become a uniform green, without stripes. During mixing, keep the gloved hands and SUBCOM T.260 wetted.
Do not mix more material than can be applied in the pot-life time.
If pot-life time is exceeded, material will not adhere to the substrate.

APPLICATION

SUBCOM T.260 for concrete structures

SUBCOM T.260 is applied by hand onto the cleaned surfaces using enough pressure to displace water and air bubbles immediately after mixing the two components. Smooth out the area with hands palm until uniform thickness of 3-5 mm is achieved. Subsequent mixes to be spreaded starting from previous applied layers and away.
When applying to dry surfaces keep support and hands wetted.
To fill large cavities in concrete, SUBCOM T.260 can be applied in subsequent layers using steel mesh for added support.
In hot climate, keep SUBCOM T.260 in the shade and, if necessary, put the cans in the water.

CHEMICAL RESISTANCE

SUBCOM T.260 has excellent chemical resistance to fresh and salt waters, oils, greases, gasolines, etc.

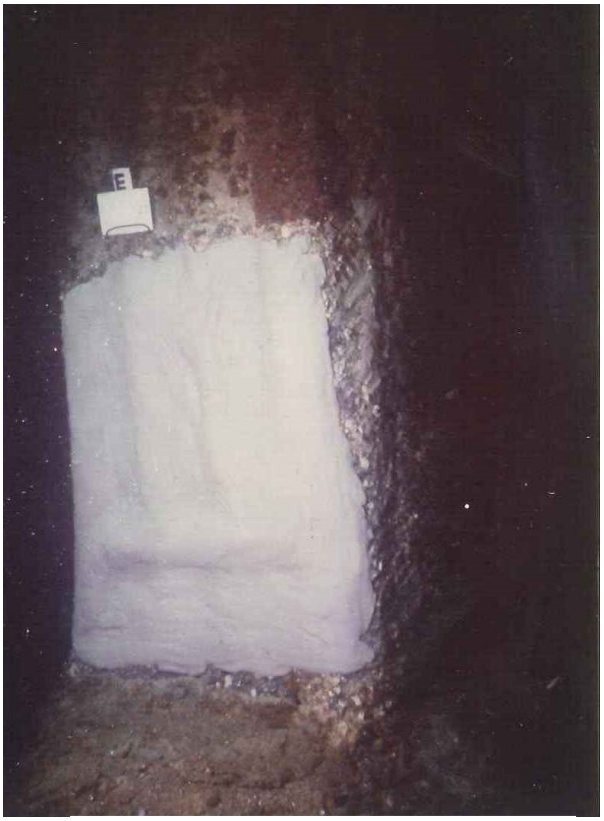
HANDLING AND TOXITY

"A" and "B" Components for Industrial Use Only.
Avoid prolonged contact with skin, use suitable goggles for eyes and impervious gloves (rubber or polyethylene). Barrier creams such as Kerodex K7 may also offer additional protection.
Contaminated skin areas should be cleansed with soap and water and/or a suitable resin removal cream. For eyes, flush with plenty of water and get medical attention.
The use of solvents for skin cleansing should be avoided.
Read the Safety Chart (MSDS) of the product.

CLEAN UP

Use Omnia Thinner or Acetone.

Underwater exposed reinforcement after grit blasting



Underwater exposed reinforcement protected with SUBCOM T.260

Application of SUBCOM T.260 on exposed reinforcement and concrete

SUBCOM T.260 on jetty steel piles

UNDERWATER PROTECTION OF MARINE STRUCTURES

The need to protect existing marine structures, including steel and concrete jetty piles, mooring buoys and towers, dolphins, and other similar structures, is becoming more pressing as time passes. Many of these structures were installed when perhaps it was not fully appreciated that corrosion and erosion in the splash and tidal zones would develop so rapidly, especially in aggressive waters and where cathodic protection is least effective.

In the 70's SINIT introduced SPREADSUB T.260 (former name of SUBCOM T.260) a high built solventless compound for application underwater, in tidal and splash zone areas, and developed techniques for surfaces cleaning and for its application using well trained and skilled diving teams.

A comprehensive service for the supply and application of the coating including a 2-year guarantee is offered. If required, an extended 5-year guarantee service is also available at additional costs.

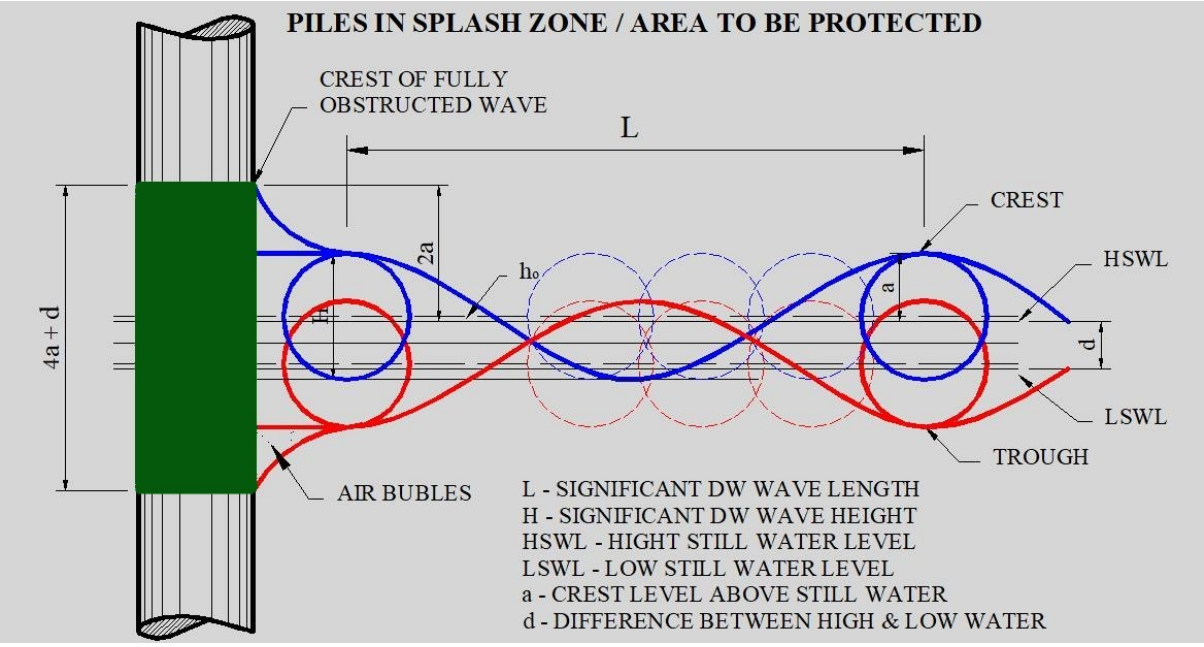
For steel jetty piles, etc..., blast cleaning to nearly white metal S.a.2,5 has proved successful, although it is sometimes necessary to remove heavy scale first, using pneumatic chipping hammers or Jason needle-gun tools.

Surfaces can be cleaned adequately also by means of high-speed rotary discs or high-pressure water jet techniques.

Concrete jetty piles and other submerged concrete structures are cleared of all loose particles by chipping, mechanic wire brushing, grit blasting or high-pressure water jet techniques, and any rust or scale on exposed reinforcing steel are removed to provide a sound substrate before restoring the concrete with SUBCOM T. 260.

SINIT has operating experience in a number of Countries and normally provides:

- A preliminary Inspection report on the condition of the structure and offers photographs, videotapes and recommendations for its protection. As the same time sample test patches are applied to demonstrate the suitability of the coating.
- At this stage detailed information on the local environmental conditions are collected to make sure the subsequent work will offer optimum results.



NOTE

All information and direction contained in this technical data sheet are given in good faith and are based on the best-known practical test.

SINIT, when having no control over transport, storage, handling, use and application of product, must disclaim responsibility for any unsatisfactory results obtained.

All test values at 23° C.

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These data supersede all previously published data.

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