



All the Materials Needed for Off-shore Emergency Repairs in the Marine Industry

There is often limited access to certain resources while off-shore, Belzona has developed a customized Marine Emergency Repair Kit for unexpected problems. The kit contains all of the necessary items needed for temporary and permanent repair of equipment such as:

- PIPES
- HEAT EXCHANGERS
- HYDRAULIC RAMS
- CASINGS & IMPELLERS
- SHAFTS AND KEYWAYS
- BEARINGS AND BUSH HOUSINGS
- STRIPPED THREADS
- TANKS
- STEEL PLATING

The kit features three multipurpose products for emergency repairs.

Belzona Marine Metal

This two-component repair and rebuilding material is based on a ceramic steel reinforced polymer system. It will bond to almost any surface and will not corrode (being extremely resistant to a wide range of chemicals).

Belzona[®] 1221 (Super E-Metal)

Belzona[®] 1221 is a breakthrough polymer-based compound providing a superior alternative to conventional rapid repair systems. It combines rapid hardening, outstanding performance, strong adhesion, superior heat and moisture resistance and no objectionable odors.

Belzona[®] 1291

Supplied in a convenient stick form, this material, when used with the Belzona Tourniquet, instantly seals live leaks.



CRACKED CASING



REPAIRED CASING



LEAKING PIPE



REPAIRED PIPE



DISTORTED HEAT EXCHANGER FLANGE



REPAIRED HEAT EXCHANGER FLANGE

The Unconventional Alternative.

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Marine Emergency Repair Kit Contents

- Belzona® Marine Metal (3 X 1 kg.)
- Belzona® 1221 (Super E-Metal) (6 X 125 g.)
- Belzona® 1291 (2 X 110 g.)
- Belzona® 9111 (Cleaner/Degreaser) (1 X 0.5 liter)
- Belzona® 9411 (Release Agent) (1 X 100 g.)
- Belzona® 9341 (Reinforcement Tape) (1 X 4 m.)
- Belzona® Tourniquet
- 25 disposable working surfaces
- 2 spatulas
- 4 applicators
- Impermeable vinyl gloves
- Material Safety Data Sheets
- Instruction leaflet



BELZONA MARINE EMERGENCY REPAIR KIT

Simplicity in Use

- No special tools or skills required. Easy application by spatula or applicator.
- Simple and tolerant 1:1 mixing ratio; mix just the right amount for the job.
- Rapid curing and extended working life materials suitable for use in all climates and application situations.

Safety in Use

- No shrinkage, expansion or distortion during cure. No stress or strain on repaired components.
- Belzona® 1221 is suitable for contact with potable water.

Versatility in Application

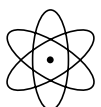
- Excellent electrical insulation characteristics prevents bimetallic corrosion caused by dissimilar metals.
- Apply thin or thick sections in one operation. Will not slump at up to 1" (25 mm) sections. Stays where it is applied even on overhead surfaces.
- Bonds tenaciously to almost any surface including steel, aluminum, copper, brass, stainless steel, fiberglass laminate, concrete, unglazed ceramics and glass.
- Moldable to precise contours.
- Machinable with conventional tipped tools.

Permanency in Service

- High mechanical strength and adhesion.
- Outstanding resistance to a broad range of chemicals.
- Corrosion resistant.



ISO 9001:2000
Q 09335



Nuclear Industry DBA Approval in accordance with ASTM D 3911



Certified to
ANSI/NSF Standard 61



Certificate No: 95-HU9719-X

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