

PRODUCT DESCRIPTION & CHARACTERISTICS

Specifically designed for application underwater or in very wet areas as a filler or crack repair compound for poorly prepared metal and concrete substrates. It has been designed to be used with Chemco's Diver-cote™ protective coating systems. Ideal for use on wet and saturated metal and concrete. Can be applied to hand prepared or hydro-blasted surfaces. Compared to other underwater filler systems, the product offers minimal dispersion during application which in turn:

- reduces potential contamination of the environment
- helps to keep expensive diving suits and equipment clean
- improves the controllability and accuracy of application as the diver's vision is clearer for a longer period of time

It will help reduce the risk of M.I.C. (Microbiological Induced Corrosion) and S.R.B. (Sulphate Reducing Bacteria) because it does not contain the food ingredients contained in traditional solvent borne-systems that the Bacteria thrive on.

Exhibits long-term resistance to the marine environment.

It is an ideal product for use with other underwater application products:-

- Diver-cote™
- Diver-stix™

TECHNICAL FEATURES & BENEFITS

Unique filler system formulated for above and under water applications). Ideal for filling cracks, divits, holes or other surface damage. Designed to be used with Chemco's Diver-cote™ proactive coatings. There is less filler film dispersion than standard systems (a common problem with this type of application) instead, the coating forms a smooth, paint-like finish, enabling very high application rates to be achieved. The system exhibits excellent abrasion resistance and is able to withstand severe physical stresses caused by wave action.

PRODUCT INFORMATION

Typical applications:	Ideal for adhering to metal, concrete and a variety of substrates. Structural steelwork, splash zone (above and below tide level), tank repairs (internal and external). Used for ship repair, in hydro- stations, port and bridge pilings, swimming pools and ponds etc. In situ concrete repairing of cracks, including worn, damaged and old concrete.	
Colour:	Standard grey (other colours available on request).	
Volume solids:	100%	
Density:	1.21 ± 0.01g/cm ³ @ 20°C	
Mix ratio:	Mix part A (resin RA 500UW and part B (hardener HF 500) in proportionate weights as supplied.	
Thinner:	No thinning agents required.	
Cleaner:	S11A	
Cure:	10°C	20°C
Pot life:	2 hrs	1 hr 20 mins
Touch dry:	10 hrs	6 hrs
Hard dry:	24 hrs	12 hrs
Full cure:	14 days	3 days
Recoating interval:	Minimum:	4 - 6 hrs (touch dry).
	Maximum:	unlimited.
Temperature resistance:	Maximum:	60°C (immersed).
Method:	Trowel, spreading knife, spatula, mitts.	

SURFACE PREPERATION

Underwater repairs:

Remove all loose contamination by wire brushing or scraping.

Remove any scale, dirt and grease with waterproof abrasive paper (wet & dry paper).

Above waterline:

Remove all loose contamination by wire brushing or scraping.

For small areas, roughen area with mechanical abradar.

For larger areas, a suitable angular metallic or non-metallic abrasive should be chosen to give a minimum profile of 50 microns. Abrasive blast the surface to ISO 8501-1 SA2½

LIMITATIONS

Pot life:

Vigilant care and attention to pot life is required during application. If gelling has started, do not apply.

SAFETY PRECAUTIONS

It is the policy of CHEMCO INTERNATIONAL (C.I.) to ensure that its products are handled and applied by professionally approved and skilled applicators.

Application shall be carried out in accordance with instructions contained in this data sheet and referenced to C.I. TECHNICAL SPECIFICATION MANUAL.

CHEMCO INTERNATIONAL management are intent on ensuring all work is carried out in accordance with company HEALTH & SAFETY procedures and all materials are handled with due care to COSHH regulations and instructions.

STORAGE

Store in cool, dry conditions (between 2 - 20°C). Keep away from direct heat source and sunlight. When not using the material, always replace the lid on the container.

SHELF LIFE

At least 12 months when stored in sealed containers at temperatures of 20°C or below.
At temperatures above, refer to manufacturer for advice.

DISCLAIMER The information contained herein is to the best of our knowledge accurate and current and is given in good faith without warranty. Users are deemed to have satisfied themselves independently as to the suitability of our products for their particular purpose. In no event shall Chemco International be liable for consequent or incidental damages.



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