

PRODUCT DESCRIPTION & CHARACTERISTICS

Specifically designed as an underwater adhesive for bonding metal, GRP and concrete substrates. It can be applied underwater or onto very wet or saturated substrates. Can be used on hand prepared or hydro- blasted metal and concrete substrates. Compared to other underwater systems, the product suffers from 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 goggles are kept cleaner longer

It will help reduce the risk of M.I.C. (Microbiological Induced Corrosion) and S.R.B. (Sulphate Reducing Bacteria) as 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-filler™

TECHNICAL FEATURES & BENEFITS

Solvent-free epoxy system.

There is less glue film dispersion than traditional underwater glues (a common problem with this type of application), instead the adhesives 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 bonding to metal, concrete and GRP substrates. Ideal for application underwater, in splash zones or saturated substrates. Can be used for repair of tanks, pipelines, concretes, ship and boats, swimming pools and ponds etc. Repair of cracks, including worn, damaged and old concrete. Standard white or blue (other colours available on request).	
Colour:	100%	
Volume solids:	1.21 ± 0.01g/cm ³ @ 20°C	
Density:	Mix part A (resin RA 500UW-S) and part B (hardener HF 500) in proportionate weights as supplied.	
Mix ratio:	No thinning agents required.	
Thinner:	S11A	
Cleaner:		
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, roller, spreading knife, spatula mitts.	

SURFACE PREPERATION

Underwater repairs:	Remove all loose contamination by wire brushing or scraping.
Above waterline:	Remove all loose contamination by wire brushing or scraping. For small areas, roughen area with mechanical abradar.

LIMITATIONS

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