Underwater CURECOAT

A three-part, solvent-free epoxy coating designed for underwater and wet/oil-contaminated surface application. Once cured, it forms a durable, corrosion-resistant barrier coating. The kit compromise of three components:

1. Epoxy Resin / Part A
2. Epoxy Curing Agent / Hardener / Part B
3. Reinforcement / Rebuild Filler Composite

Technical Specifications:

Property	Details
Mixing Ratio	4:1 by Weight or Volume – Plus Ceramic as required to your desired Viscosity
Application Temperature	Room temperature (typically 10°C to 30°C)
Curing Conditions	Cures underwater or in wet/oily conditions
Full Cure Time	~24–48 hours (depending on temperature and thickness)
Pot Life	~15–30 minutes at 20°C
Coverage	~1.5 m²/kg at 500 micron (0.5 mm) thickness
Chemical Resistance	Excellent against water, oils, and many chemicals
Adhesion Strength	High (especially to damp steel, concrete, brick)
Shelf Life	12 months (unopened, cool dry storage)

Key Benefits:

- Two-component system: Requires easy 4A:1B mixing of resin and hardener.
- No hot work required
- Cures underwater or on damp/oily surfaces
- Excellent adhesion to metallic & non-metallic surfaces such as timber and concrete
- No shrinkage or expansion
- Prevents galvanic corrosion
- Solvent-free = safer handling
- Tough and durable once cured, with good mechanical strength

Applications:

- Splash zone corrosion protection on offshore structures
- Submersible pumps, transformers, and valve coatings
- Pipework and tank internals/exteriors repair
- Emergency sealing of oil/water leaks, even when ongoing leakage
- Repairing or coating underwater concrete structures
- Sealing joints/flanges under wet or submerged conditions
- Underwater repairs such as Boat hulls, Pipelines, Tanks, Columns and Pillars
- Long-term repairs to oil or water-exposed surfaces.

Combatting Corrosion in Offshore Environments with SHIMICOAT

The offshore environment is inherently corrosive. Continuous exposure to wet, harsh atmospheres—especially in splash zones and underwater areas—combined with erosive forces from waves and floating debris, accelerates the degradation of equipment and structural components. If left untreated, corrosion can lead to severe structural damage, leaks, ruptures, costly downtime, and significant environmental risks.

SHIMICOAT In-Situ Protection & Repair Systems

SHIMICOAT offers innovative in-situ solutions specifically designed for splash zones and submerged structures such as risers and platform legs. These systems require minimal surface preparation and are engineered to perform in some of the most challenging marine environments.

In addition to our comprehensive product range, SHIMICOAT provides **surface-tolerant technologies** that are highly effective even on wet, oily, or sweating substrates. These products are engineered for exceptional adhesion to steel, regardless of immersion conditions.

A prime example is **SHIMICOAT**, a brush-applied product that displaces water on contact, forming a superior bond. It eliminates the need for hot work, cures underwater, and offers robust protection against erosion and corrosion.

Why Choose SHIMICOAT?

- Cures underwater and in wet conditions
- No hot work required
- Minimal surface preparation

- Strong adhesion to steel
- Long-lasting, permanent protection
- Proven performance globally

SHIMICOAT's surface-tolerant repair systems reduce maintenance costs and extend the life of your assets—above water, in splash zones, and underwater.

Underwater CURECOAT is a two component solventless epoxy adhesive which solidifies at ambient temperature to form a strong, tough material, possessing good mechanical properties and adhering strongly to suitably treated metal, timber and concrete surfaces. It has been specifically designed to allow curing to take place unimpeded by the presence of water.
Underwater CURECOAT can be used for underwater repairs and applications where dampness is present or the item being treated is subject to immersion prior to the Underwater CURECOAT being cured. Typical applications are the underwater patching of boat hulls, tanks, pipelines as well as the repair or patching of tanks and concrete structures subject to immersion within a short time of application. Tidal zone repairs to steel and concrete wharf piles and under bridge repairs are also satisfactorily carried out using Underwater CURECOAT

Get in Touch
For more information on SHIMICOAT's industrial solutions, contact your local SHIMICOAT representative today.

STORAGE

The products shall be stored out of direct sunlight and heat at all times. The shelf life of the product is 24 months, mix uniformly for 3 minutes prior to use.

DISCLAIMER

Material Safety Data Sheet, Technical and Environmental Data Sheet can be provided upon request.
The information provided in this document is guidance only and considering the uses of this product are beyond the seller's control, the product is sold without guarantees or warranties. Warranties and guarantees shall be governed by SHIMICOAT Standard Terms of Sale. The purchaser shall make its own tests to determine the suitability for their specific application, and Shimicoat Pty Ltd is taking no responsibility for misuse of the product. The purchaser assumes all risk of use and handling of this product. This product will be happily replaced or credited back if defective. Beyond this, Shimicoat Pty Ltd is not liable for any damages caused by this product or its use. *This information and all further technical advice are based on our present knowledge and experience.*
The customer is not released from the obligation to conduct careful inspection and testing of supplied goods.