ZRETE | Underwater Solutions

Underwater Epoxy Grout & Adhesive Solutions

A practical guide to underwater epoxy grouts and adhesives for dense filling, wet bonding and jacket-based structural repair.

Document name	Underwater Epoxy Grout & Adhesive Solutions
One-line intro	A practical guide to underwater epoxy grouts and adhesives for dense filling, wet bonding and jacket-based structural repair.
Nombre del documento	Soluciones de Grout y Adhesivo Epóxico Subacuático
Introducción breve	Guía práctica de grouts y adhesivos epóxicos subacuáticos para relleno denso, adhesión en húmedo y reparación estructural con camisa.

Overview

Underwater epoxy systems are the right choice when the job needs stronger bond, a denser cured body or more controlled structural repair below the waterline.
Compared with bulk cementitious placement, epoxy routes are usually selected when the repair zone is smaller, the bond requirement is higher or the project needs a compact and chemically resistant repair body.

When this route is the right fit

- Dense submerged structural filling.
- Jacket-based pile rehabilitation and encapsulation systems.
- Wet-surface or underwater bonding to steel and concrete.
- CFRP, steel plate bonding or anchoring in high-humidity zones.
- Marine repair work where chemical resistance matters.

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Why engineers choose epoxy underwater systems

- Higher bond and denser cured body than bulk mineral routes.
- Useful where adhesion to steel or concrete is critical.
- Good fit for jacket repair systems and underwater strengthening.
- Practical for wet-surface anchoring and bonding work.

Product Matrix

Product	Best Fit	Typical Use
EGM-100S Underwater Epoxy Grout	Dense underwater filling and jacket-based repair	Pile rehabilitation, submerged structural filling and marine repair zones
ZRETE Underwater Adhesive	Wet-surface and underwater bonding	Steel plate bonding, CFRP bonding, anchoring and underwater defect repair

Project information to share

- Structure type and repair location.
- Water condition: submerged, tidal, wet surface or water-bearing crack.
- Gap size, void size or crack width.
- Need for bulk filling, dense bond, anti-washout or injection behavior.
- Target durability and return-to-service requirement.

Contact / Next step

Tell us whether the job needs dense filling, wet-surface bonding or both, and we will recommend the right underwater epoxy route.