



# Underwater PU Injection Grouting Solutions

A field-oriented guide to polyurethane injection routes for wet cracks, void filling, slab undersealing and support stabilization.

Document name	Underwater PU Injection Grouting Solutions
One-line intro	A field-oriented guide to polyurethane injection routes for wet cracks, void filling, slab undersealing and support stabilization.
Nombre del documento	Soluciones de Inyección PU para Zonas Subacuáticas y Húmedas
Introducción breve	Guía orientada a obra para rutas de inyección de poliuretano en grietas húmedas, relleno de vacíos, resellado bajo losas y estabilización del soporte.

## Overview

PU injection is the better route when the repair problem is not only filling, but also crack penetration, void expansion or support recovery in wet conditions.

In water-bearing cracks, leaking joints, contact loss under slabs and unstable support zones, a polyurethane system can react in place, move into irregular voids and cut downtime more effectively than bulk grouts.

## Lead route and companion route

- W-6 is the lead option for void filling, slab undersealing, leak sealing and support stabilization.
- AquaBond 40 NF is the non-foaming structural alternative for dense crack injection, waterproofing plus strengthening in wet conditions.



## Why engineers choose PU injection systems

- Good fit for irregular voids and water-bearing cracks.
- Useful when expansion or closed-cell filling is required.
- Practical for rapid return-to-service repairs.
- Allows a non-foaming route where dense structural injection is preferred.

## Product Matrix

Product	Best Fit	Typical Use
W-6 Polyurethane Injection Grout	Void filling, slab undersealing and support stabilization	Closed-cell filling, leak sealing and rapid support recovery
AquaBond 40 NF	Dense crack injection in wet structures	Non-foaming structural repair, waterproofing plus reinforcement

## 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 main problem is crack leakage, hidden voids, slab support loss or the need for a dense non-foaming repair body. We will recommend the right PU route.**