

Weberanc EP 561 UW

Underwater-cured epoxy injection resin



Weberanc EP 561 UW is a two-component, solvent-free, resin-based, low viscosity, epoxy injection system with extended pot life and designed to penetrate hairline cracks especially for underwater applications.

PRODUCT BENEFITS



SOLVENT FREE



EXCELLENT POT LIFE



ADHESION TO DAMP SUBSTRATE

USES

Weberanc EP 561 UW is for grouting of fine cracks, cold joints, small gaps, and void, etc. It can repair and seal cracks in concrete areas such as basement foundations, industrial warehouses, and residential floors, patios and sidewalks, wet areas such as reservoirs, tanks, balconies and swimming pools, parking decks.

ADVANTAGES

- Solvent-free system
- Low viscosity
- Long pot life
- Good adhesion to damp substrate

TECHNICAL DATA & PHYSICAL PROPERTIES

	Part A	Part B
Colour	Clear	Amber
Pot Life @ 25°C	Approx. 60 mins	
Compressive Strength	60 N/mm ²	
Tensile Adhesion Strength	25 N/mm ²	

Specifications are subject to change without notification. Results shown are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance will depend on installation methods and site conditions.

CONSUMPTION

The amount is dependent on the width and depth of the crack areas and the substrate's porosity and surface area.

CLEANING

All tools and equipment should be cleaned immediately after use with thinner. Hardened material can be removed mechanically.

STORAGE & PACKING

Weberanc EP 561 UW is available in 3 kg sets (Part A - 2.19 kg pail + Part B - 0.81 kg pail). Shelf life of 12 months if unopened and kept in sheltered and dry conditions.

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PROCEDURE & APPLICATION



Surface Preparation

All surfaces must be clean, sound, and free from any laitance, oil, grease, and any contaminants. Remove with industrial detergent followed by scrubbing. The concrete surface must be shot-blast, scarifying, or grit blasting followed by vacuum cleaning. Repair any irregularities, blowholes, cracks, etc. using solvent-free epoxy repair products. Examine and mark out the cracks on the surface of the concrete then clean the concrete surface along the cracks to approx. 25 mm on either side. Seal the surface of the crack with Weberanc EP 562 BP to ensure that the injected material (Weberanc EP 561 UW) will not flow out. Allow the Weberanc EP 562 BP to harden for 1 day before the commencement of the injection process.



Mixing

Mix Weberanc EP 561 UW Part B with Part A thoroughly with a mechanical mixer until the mixture is homogeneous.



Application

Install the injector pot aligned to the centre of the crack at a distance of 200-350 mm. Mount the filled cylinder to inject pot and secure with two rubber bands. Proceed to the next injector pot. Allow Weberanc EP 561 UW to harden for 1 day, remove the cylinder and grind off sealing material. The curing time depends on the ambient temperature and the quantity.

HEALTH & SAFETY

Wear protective clothing, gloves, and goggles during mixing and application process. Handle with care and in the event of eyes and skin contact, wash with plenty of water, and seek medical attention if irritation persists. Please keep out of reach of children.

*Note: Because it is not possible to give specific instructions for the various site conditions or to control the applications, the information on this Technical Data Sheet is for general guidance only. Saint-Gobain reserves the rights to amend the contents of the data sheet at its sole discretion. (Mar'24)

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