

PRODUCT DESCRIPTION

Superstop AC is 4-component, elastic, acrylic injection resin with linear transformation of viscosity. Designed for Injection or re-injection of injection hoses and membrane injections.

BASIC USES

- Injection or re-injection of injection hoses.
- Membrane injections.

FEATURES & BENEFITS

- Reacts into an elastic, durable gel.
- Good general chemical resistance.
- Non-flammable.
- Free from acrylamide, methacrylamide, formaldehyde or solvents
- Excellent adhesion on mineral construction materials such as concrete, cement and brick.
- The reaction speed can be adjusted from a few seconds to several minutes. High water retention capacity: when the injected cracks dry out due to temperature or ground water level fluctuations the gel will not crack easily.
- The cured gel has excellent durability in wet-dry cycles.

AVAILABILITY

Contact your Local Tremco Sales Representative.

STORAGE

In a dry place between + 5 °C and + 25 °C.

Shelf life:

6 months after production date in the original, unopened and undamaged packaging. If stored at temperatures higher than 25 °C the shelf life cannot be guaranteed.

PACKAGING

- Resin: 25 Kg
- Catalyst: 2.5 Kg
- Initiator: 0.06 Kg

MIX RATIO (1:1 BY VOLUME)

SOLUTION 1	Superstop AC Resin with Superstop AC Catalyst
SOLUTION 2	Superstop AC Initiator with water

TECHNICAL DATA (TYPICAL VALUES)

	<u>RESIN</u>	<u>CATALYST</u>	<u>INITIATOR</u>
Color	Purple-pink liquid	Clear yellow liquid	White powder
Viscosity (20 °C)	48 mPas	7 mPas	-
Density (20 °C)	1.12 g/cm3	1.04 g/cm3	-
pH	6.5 - 8	-	-
% Active parts	42 % - 48 %	-	-
Compatible with water	Yes	Yes	Yes

TYPICAL PHYSICAL PROPERTIES

<u>PROPERTY</u>	<u>TEST METHOD</u>	<u>VALUE</u>
Minimum application temperature	-	5°C
Watertightness under pressure	EN 14068	Waterproof at 2 x 105 Pa
Compatibility with concrete	EN 12637-1	Pass (compatible)
Sensitive for wet-dry cycles	EN 14498 B	No change in swelling capacity after 10 wet-dry cycles
Swelling capacity under water	EN 14498 A	The swelling capacity reaches a constant level after 20 days
Increase of volume by conservation under water	EN 14498	290 % after 20 days of immersion in water at 21 °C

APPLICATION

MIXING

Superstop AC system consists of 4 components:

- A1: Superstop AC (Acrylic Resin)
- A2: Superstop AC Cat (Catalyst)
- B: Superstop AC Init (Initiator)
- C: Water

2 solutions are being made for the application

- Solution 1: A mixture of component A1 (25 kg) and component A2 (2.5 kg)
- Solution 2: A mixture of component B (0.060 kg) and 24.72L of component C Water

Reaction time:

When you respect the above mentioned quantities, the reaction time at 20°C will be 10 minutes. When you add with the mixture of water, 30g of initiator (1/2 bucket), the reaction time at 20°C will be about 20 minutes. The reaction time decreases if the temperature is higher, the reaction time increases when the temperature is lower.

In order to obtain an acrylic gel, the 2 solutions must be mixed in a volumetric ratio of 1:1. Superstop AC is injected into the crack with a 2-component (manual, electric or pneumatic) pump. The machine parts that come into contact with the resin must be in stainless steel.

If you want to re-inject the injection hoses, you have to rinse under low pressure the injection hoses within the reaction time of Superstop AC.

WARRANTY

Please refer to **Stoncor Middle East** Warranty guidelines.

PRECAUTIONS AND SAFETY RECOMMENDATIONS

- Protect the products against UV- and sunlight.
- Don't use water that contains a lot of minerals for the preparation of solution 2 (hard water). The minerals can accelerate the gel reaction.
- Wear safety glasses, gloves and protective clothing. Avoid contact with skin and eyes.
- In the event of contact with eyes: rinse thoroughly with clear water and consult a doctor.
- Mix residues of Superstop AC with sand or sawdust and dispose of in accordance with local regulations.
- Consult the safety data sheet for more information.

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