



# ConRepair Co.,Ltd

62, Daegot-ro 66 beon-gil, Daegot-myeon, Gimpo-si, Gyeonggi-do, Korea 10040  
Tel: 82-2-525-6430, Fax : 82-2-598-4516, [www.con-repair.com](http://www.con-repair.com)

## CRP-105 (Carbon Fiber Primer)

## Product Data Sheet

### Description of the Product

Carbon Fiber Epoxy Primer CRP-105 contains epoxy resin and Polyamide as primary substances. It has a short pot life and has excellent chemical and water resistance. It penetrates to concrete surface to strengthen adhesion performance.



### Method and Sequence of Use

#### 1. Treatment of the Concrete Base

Remove pollutants from concrete (laitance, cement paste, paint, etc.) using a hand grinder, maintain a clean condition and polish the surface smoothly.

If cracks, defects or peelings of the concrete base are severe, they must be repaired beforehand with epoxy crack repair or high strength mortar.

#### 2. To mix Carbon Fiber Epoxy Primer CRP-105

For immediate use, mix Carbon Fiber Epoxy Primer CRP-105 with its hardener at the 2:1 (by weight) ratio in a container and mix with the electric mixer for about 3-4 minutes until the mixture is in uniform color. Wash the empty container with solvent after each use for repeated use at later times.

#### 3. To apply Carbon Fiber Epoxy Primer CRP-105

Once mixed, place Carbon Fiber Epoxy Primer CRP-105 in a container. Apply uniformly using rollers or brushes to the surface. (Standard use: 0.3-0.4Kg/m<sup>2</sup>)

Proceed with the next process once the epoxy primer is completely hardened.

Re-apply the product in a sufficient amount for areas where a vast amount of epoxy primer is required for much penetration.

## Caution

\*When working with the product, wear protective equipment such as helmets, protective glasses, gloves and work clothes.

\*Immediately wipe off the product on the skin and wash the affected area with a cleaner.

\*Clean any tools or equipment that has been used with solvent or thinner.

\*Ventilate when working in a confined space to bring in the fresh air.

\*If the product is on your skin and irritates your skin, consult with a physician.

\*When the temperature is below 5C°, raise the temperature of the product (by placing it in boiling water) to obtain the desired pot life. Use the product wisely bearing in mind that the pot life of the chemical fluid is shortened at the humid and hot environment. On the contrary, it is prolonged when the temperature is low.

## The Characteristic and Kind of Carbon Fiber Primer

Name of goods		CRP-105
APPLICATION TEMPERATURE (°C)		30 ~ 40
WORKING TIME		45 MIN
DRYING TIME (HOUR)	@23°C	
RESIN : HARDNER (WEIGHT)		2:1
VISCOSITY(CPS)	@20°C	2,000
SPECIFICATION		SOLVENT FREE

## Technical data

	CRP-100
Density	70PCF
Tensile property, Yield strength	2300PSI
Elastic Modulus	120KSI
Compressive strength	4000PSI