



**CRC 121 Concrete Filler – 1751844
1751845**

CRC Industries NZ
Auckland NZ

I. Product Description

CRC 121 Concrete Filler is a two-part silica-based epoxy. Once mixed, the putty can be easily moulded to form permanent watertight repairs with a smooth finish to concrete, brick, mortar and plaster. It adheres well to wet surfaces and is suitable for most underwater repairs. In cured form CRC 121 Concrete Filler is many times harder and more impact resistant than concrete, has a similar consistency and colour to new concrete, and has excellent chemical and UV resistance.

II. Features & Benefits

- **Permanent and super strong** – Cures harder than concrete.
- **Cures watertight** – Suitable for repairs to submerged substrates.
- **Adheres to wet surfaces** – Can be applied underwater.
- **Excellent cohesive properties in uncured state** – Easy to work and mould, ideal when a smooth even finish is required.
- **Appearance** – Similar consistency and colour to new concrete.
- **Non-slump** – Suitable for overhead and vertical applications.
- **100% solids** – No shrinkage when cured.
- **Resilient** – Excellent resistance to chemicals and UV rays.
- **Convenient to use** – 1:1 formulation, ensures correct mixing each time.

III. Application and Directions

PREPARATION:

- Clean and abrade surfaces thoroughly, ensuring all loose paint, laitance etc. is removed.
- Degrease if necessary.

APPLICATION:

- Thoroughly blend one-part RESIN PART A to one-part HARDENER PART B by volume (1:1). The correct ratio must be adhered to.
- Gel or working time of the mixed product is approximately up to 20 minutes at 20°C.
- Use a trowel or spatula to apply CRC 121 Concrete Filler.
- Cure is overnight at average ambient temperatures.
- Do not use when temperature is below -10°C. Introduce heating if the temperature is below that value.

THINNING:

- Thinning is not required.

CLEANING:

- Use ADOS Epoxy Solvent Clean Up (4300) for removing uncured material from utensils.
- Wash off skin with soap and water only.

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CRC 121 Concrete Filler is a two stoichiometric formulation comprising one-part Epoxy Resin (Resin) and one-part Epoxy Curing Agent (Hardener). Once these two components have been mixed in equal volumetric proportions and allowed to cure for 48 hours all individual chemical species will have taken part in the condensation reaction and as such will have been cross-linked into the cured epoxy matrix.

The technical assumption is that following immersion in water the level of contamination is at a very low level and as such does not affect the taste or appearance of water, nor support the growth of microorganisms nor the release of cytotoxic, mutagenic compounds or metals.

CRC 121 Concrete Filler is expected to pass the required tests to conform to:
AS/NZS 4020:2005 Testing of products for use in contact with drinking water.

IV. Typical Properties and Characteristics

Type	Epoxy
Composition	Silica based epoxy system
Colour	Like new concrete
Minimum Temperature for Curing	-10 °C
Service Temperature	Continuous 80 °C Intermittent 150 °C
Reactivation	N/A
Viscosity	Paste-like
Solids	100% solids
Hold Up	In thick film, excellent. Has an inherent thixotropic aspect and exhibits no slump during the cure process.
Working Time	Up to 20 minutes at 20 °C
Compressive Strength	97.6 MPa
Tensile Strength	26.8 MPa

V. Package Description

Part Number	Size
1751844	750 g
1751845	1.5 kg



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VI. *Special Precautions*

General:

Use with adequate ventilation. Do not eat, drink or smoke while using. Store in a cool, well-ventilated area and indoor temperature must be between 5°C and 20°C. Dispose of empty containers safely. All unused product should be disposed of in conformance with local and HSNO regulations, do not contaminate water supply. Once the two components have been mixed in the correct ratio and allowed to cure CRC 121 Concrete putty will not leach into or contaminate water ways. The cured epoxy composite is not considered to be an environmental hazard.

First Aid:

Swallowed – Contact doctor or Poisons Centre. DO NOT induce vomiting. Give glass of water.

Skin – Remove contaminated clothing. Wash with water and soap.

Eyes – Hold open and flush with water for at least 15 minutes. Get medical attention without delay.

Inhalation – Fresh air. Rest, keep warm. If breathing shallow, give oxygen, seek medical attention.

Refer to Safety Data Sheet (SDS) for more details.

TECHNICAL DATA SHEET Version 08/2020

PRODUCT WARRANTY: CRC offers a conditional warranty of this product for the period of 2 years from the date of manufacture.

DISCLAIMER: All information on this data sheet is based on testing by CRC Industries NZ. All products should be tested for suitability on a particular application prior to actual use. CRC Industries makes no representations or warranties of any kind concerning this data.