



## CONFIX

TECHNICAL DATA

The information contained within this Technical Data Sheet, details product description, health and safety hazard information of the product and how to safely handle and use the product in the workplace. Also refer to the MSDS for more information. Each user of this product should read the MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Demtech Australia Pty Ltd. Demtech Australia Pty Ltd makes no representation as to the completeness and accuracy of the data contained within this data sheet. It is the user's obligation to evaluate and use this product safely, and to comply with all relevant Federal, State and Local Government laws and regulations. Demtech Australia Pty Ltd shall not be responsible for loss, damage or injury resulting from reliance upon or failure to adhere to any recommendation or information contained herein, from abnormal use of the material, or any hazard inherent in the nature of the material.

### DESCRIPTION

Cureflex Confix is a two part, ultra-low viscosity, polyurethane crack and spall repair system for concrete. The ultra-low viscosity of Cureflex Confix allows it to penetrate deep into cracks for excellent adhesion and added strength. Cureflex Confix features a rapid cure rate allowing a return to service in one hour.

### SPECIFICATION

Component	Cureflex Confix Part A	Cureflex Confix Part B
Specific Gravity (25 ° C)	1.10-1.16	0.96-1.02
Viscosity (25 ° C)	25-75	50-100
Appearance	Brown liquid	Grey liquid

### MIXING & CURING

Isocyanate Prepolymer (Part A) (by volume)	100
Polyol Curative (Part B) (by volume)	100
Gel Time (25 ° C) (mins)	2-3
Traffic Ready (25 ° C) (mins)	60
Mixed Viscosity (cps)	60



## PROPERTIES

	Cureflex Confix	Test Method
Hardness (Shore D)	65±5	AS1683.15
Cured Specific Gravity (g/cm <sup>3</sup> )	1.09	AS1683.4
Colour	Grey	Not available
Rebound Resilience (%)	71	DIN53512
Tensile Strength (MPa)	26.5	AS1683.11
Elongation (%)	30	AS1683.11
Taber Abrasion Resistance (H22) (mg/1000cycles)	41.7	Not available
Compressive Strength (1 hour) (MPa)	35.2	Not available
Compressive Strength (24 hours) (MPa)	47.2	Not available
Linear Shrinkage (23°C) (%)	<1	Not available
Heat Deflection (°C)	135	Not available
Glass Transition Temperature (T <sub>g</sub> ) (°C)	52	Not available

## PREPARATION

### Cartridges

Shake cartridge vigorously for 1 minute before use. Insert cartridge into caulking gun. Hold the caulking gun at a 60° angle from horizontal position and remove the lid from each cartridge. Slowly dispense small amounts of material until both materials flow evenly. Attached the mixing nozzle and the product is now ready to use.

### Bulk Kits

Measure required amount of Part A and Part B (1:1 by volume). Quickly mix using a small drill mixer at a low speed for 10-15 seconds. Kiln dried sand can be added to the product for larger repair and longer curing time (recommended ratio of sand to product is 2:1 by volume). Simply add the sand while mixing Part A and Part B. Scrape the bottom and the side of the container to ensure homogenous mixing. Total mixing time should not exceed 1 minute. Product must be used within 3-5 depending on the ambient and substrate temperature.



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## IMPORTANT NOTICES

### **Precautions**

In case of contact with skin, remove excess, wash with soap and water. For contact with eye, immediately flush with water for at least 15 minutes. If nose, throat or lungs become irritated from breathing in vapours remove exposed persons to fresh air. Call a physician. Please refer to the MSDS for more information.

### **General**

The information contained herein is based on present state of our knowledge and does not guarantee certain properties. Recipients of our products must take responsibility for observing laws and regulations. The information contained within is published free of charge in good faith and is based on technical data that Demtech Australia Pty Ltd considers to be reliable.

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## CONTACT POINTS

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### **Australian Poisons Information Centre**

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### **Police & Fire Brigade**

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