



570 Concrete Patch Repair XF

Fast curing, solvent free epoxy repair mortar for concrete. Self priming and traffic ready in hours, ideal for patching floors, ramps, and expansion joints.

- Rapid curing, ready for foot traffic in just 2 hours at 20°C (68°F)
- Self priming, solvent free epoxy mortar for concrete repair
- Applies at any thickness without slumping or shrinkage
- High resistance to abrasion and industrial chemicals

2025 Product Sheet



Typical Applications

570 Concrete Patch Repair XF is a three part, solvent free epoxy repair mortar designed for rebuilding damaged or worn cementitious surfaces. The self priming formulation offers excellent chemical and abrasion resistance, making it suitable for both internal and external areas subject to foot or forklift traffic.

- Expansion joint edges
- Steps
- Ramps
- Coving
- Floors
- Cracked concrete

Cure times

Usable Life		Foot traffic		Forklift traffic	
10°C/50°F	30 mins	10°C/50°F	4 hours	10°C/50°F	8 hours
20°C/68°F	20 mins	20°C/68°F	2 hours	20°C/68°F	4 hours
30°C/86°F	10 mins	30°C/86°F	1 hour	30°C/86°F	2 hours
40°C/104°F	5 mins	40°C/104°F	30 mins	40°C/104°F	1 hour

Characteristics

Appearance

Base	Grey liquid
Activator	Amber
Aggregate	Natural
Mixed	Natural

Solids Content

100%

Volume Capacity

444cc/kg

Sag Resistance

Nil at 20mm

Density

Mixed 2.25

Mixing Ratio

As supplied

Storage Life

5 years if unopened and stored in normal dry conditions, 15–30°C (59–86°F)

Coverage

5kg (11lbs) of fully mixed product will give the following coverage rates

0.22m ² at 10mm	2.36ft ² at 0.4"
0.11m ² at 20mm	1.18ft ² at 0.8"
0.07m ² at 30mm	2.36ft ² at 1.2"

Please note that the coverage rates quoted are theoretical and do not take into consideration the profile or condition of the surface being repaired.

Mechanical Properties

Abrasion Resistance

Tested to ASTM D4060
Taber CS17 Wheels/1kg load
122mg loss/1000 cycles
0.55cc loss/1000 cycles

Compressive Strength

Tested to ASTM D 695
840kg/cm² (12000psi)

Direct Pull off Adhesion

Tested to ASTM D4541
(Direct pull method)
35kg/cm² (500psi)
Cohesive failure of concrete

Flexural Strength

Tested to ASTM D790
490kg/cm² (7,000psi)

Details & Legal

Quality

All Resimac Products are supplied under the scope of the company's fully documented quality system.

Warranty

Resimac warrants that the performance of the product supplied will conform to the typical descriptions quoted within this specification provided material is stored correctly and used according to the procedures detailed in this document.

Pack Sizes

This product is available in the following pack sizes:
5kg (11lbs)

Chemical Resistance

The product resists attack by a wide variety of low concentration industrial chemicals:

<i>Typical Chemicals</i>	<i>Max Temp</i>
Brine	40°C (104°F)
Crude Oil	40°C (104°F)
De-ionised Water	20°C (68°F)
Diesel	40°C (104°F)
Hydrochloric Acid 10%	40°C (104°F)
Phosphoric Acid 30%	40°C (104°F)
Sodium Hydroxide 50%	40°C (104°F)
Sulphuric acid 10%	40°C (104°F)

Application Guide

A. Surface Preparation

Emergency repair:

- 1 The surface of the concrete can be cleaned using handheld wire brush.
- 2 The surface must be scarified and as much of the surface contamination cleaned from the substrate.
- 3 The repair area must then be swept clean using a brush.

PLEASE NOTE: Please be aware that this type of surface preparation will affect the operating life of the cured product, to obtain the optimum performance from this material please use one of the following methods.

Health & Safety

Please ensure good practice is observed at all times during the mixing and application of this product. Protective gloves and other recommended personal protective equipment must be worn during the mixing and application of this product.

Before mixing and applying the material, please ensure you have read and fully understood all information.

Coated concrete:

- 1 The surface of the concrete will need to be scarified to ensure the repair material bonds to the surface.
- 2 Use a handheld mechanical grinder to clean the surface.
- 3 Once the repair area has been scarified it must be vacuumed and be dust/debris free.

Contaminated concrete:

- 1 If the surface of the concrete has been contaminated with oil or industrial chemicals these must be cleaned from the repair surface.
- 2 If the contamination is superficial the repair area can be cleaned using a handheld mechanical grinder and then vacuumed clean.
- 3 For deeper ingrained contamination the use of enzymes on the surface of the repair to clean any oils/chemicals from the substrate is advised.

Clean concrete:

- 1 Compressed air can be used to clean the surface and ensure all debris and contaminants have been cleaned from any hairline cracks or deep pitting.
- 2 Vacuum the surface so the area is dust and debris free.

B. Product Preparation

Prior to mixing, please ensure the following:

- 1 The base and activator components at a temperature between 15-25°C (60-77°F).
- 2 The ambient & surface temperature is above 10°C (50°F).

C. Mixing

Mix the complete unit of material (5kg):

- 1 Take the base and activator components and pour them into the 5ltr white pail provided.
- 2 Mix the two components until streak free using a spatula.
- 3 Once the base and activator mix is streak free pour half the blended aggregate into the 5ltr white pail.
- 4 Using a spatula to mix the aggregate and resin system together, after 30 seconds pour the remaining aggregate into the 5ltr white pail.
- 5 Finish mixing the product, if needed use gloved hands to mix the material.

Alternative method:

- 1 Using an electric mixing paddle, by using this equipment you will mix the product faster and to a better consistency.
- 2 Finish mixing the product, if needed use gloved hands to mix the material.

D. Application

Trowel applications:

- 1 Once 570 Concrete Patch Repair XF has been mixed thoroughly, pour the contents of the 5ltr white pail into the repair area.
- 2 Using a trowel press the material into the concrete surface to ensure all pitting, cracks etc have been filled.
- 3 Once the repair area has been filled with material, spray clean water onto the face of the trowel and skim the surface of the repair. This will give 570 Concrete Patch Repair XF a smooth finish.

Quick Application Guide



Step 1

Ensure you have:

- 1 x base unit
- 1 x activator unit
- 1 x aggregate
- 1 x spatula
- 1 x non-porous gloves
- 1 x trowel



Step 2

Take the base and activator components and pour them into the 5ltr white pail provided. Mix the two components until streak free using the spatula provided.



Step 3

Pour half the blended aggregate into the 5ltr white pail, mix for 30 seconds, then add remaining aggregate.



Step 4

Mix with spatula initially and then use gloved hands to complete. Mix until uniform and lump free.



Step 5

Pour mixed material onto repair area and force into substrate with a trowel. For a smoother finish water may be sprayed onto the trowel face.

About Resimac

A UK based manufacturer of epoxy and polyurethane coatings and repair materials.

From our head office in the heart of rural North Yorkshire, England we supply our range of Epoxy, Polyurethane & Silicone coatings and repair materials to the Oil & Gas, Petrochemical, Marine, Paper & Pulp, Water, Power Generation & Chemical Industries.

Legal Notice

The data contained within this Product Specification is furnished for information only and is believed to be reliable at the time of issue. We cannot assume responsibility for results obtained by others over whose methods we have no control. It is the responsibility of the customer to determine the products suitability for use. Resimac accepts no liability arising out of the use of this information or the product described herein.

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