



resimac Ltd.

574 Fastfill Plug

Fast curing, single component cementitious putty for emergency leak sealing. Stops live water under pressure and resists 10 bar negative hydrostatic pressure.

- Seals live leaks under pressure in concrete
- Resists 10 bar (145 psi) negative hydrostatic pressure
- Cures in minutes for rapid intervention
- Easy-to-mix single component cementitious system

2025 Product Sheet

Typical Applications

574 Fastfill Plug is a rapid setting, single component polymer modified cementitious putty designed for arresting pressurised water ingress through cracks, joints, and voids in concrete and masonry. It is ideal for emergency repairs where structures cannot be taken out of service. The system cures within minutes and forms a durable seal that withstands up to 10 bar (145 psi) of negative hydrostatic pressure.

- Pressurised leak repairs
- Cracks and joints in wet concrete
- Emergency containment sealing
- Pre-treatment for 572 and 573 cement systems

Cure times

Usable Life

10°C/50°F	3-4 mins
20°C/68°F	2-3 mins
30°C/86°F	2-3 mins
40°C/104°F	1-2 mins

Min overcoating time

10°C/50°F	60 mins
20°C/68°F	30 mins
30°C/86°F	20 mins
40°C/104°F	15 mins

Full Cure

10°C/50°F	60 mins
20°C/68°F	30 mins
30°C/86°F	20 mins
40°C/104°F	15 mins

Storage Life: 2 years if unopened and stored in normal dry conditions, 15-30°C (59-86°F)

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

Characteristics

Appearance

Single component Dark grey

Solids Content

100%

Volume Capacity

714cc/kg

Sag Resistance

Nil at 40mm

Density

Mixed 1.4

Mixing Ratio

By weight 5:1

Pack Sizes

This product is available in the following pack sizes:
8kg (17.6lbs)

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.

Coverage

8kg (17.6lbs) of fully mixed product will give the following coverage rates

Application Guide

A. Surface Preparation

Cementitious surfaces:

- 1 Manually remove any damaged concrete and masonry to ensure the repair is made to a sound surface.
- 2 Joints and cracks should be square cut or ideally dovetail cut out to a minimum depth/ width of 20mm (3/4").
- 3 Surface to be treated must be free of any loose material, dust, surface laitance, mould release agent and any other form of contamination.
- 4 Thoroughly soak the substrate with clean water until fully saturated. Remove excess water.

B. Product Preparation

Prior to mixing, please ensure the following:

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

PLEASE NOTE: For applications where structures and process areas cannot be taken out of service for long periods and where pressurised water leaks need to be stopped prior to the application of 572 Concrete Seal CWC or 573 Fastfill Screed.

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.

C. Mixing

Single component (8kg):

- 1 574 Fastfill Plug should be mixed by hand in a clean plastic container.
- 2 Ideally no more than 0.5kg (1lb) should be mixed at a time with clean water.
- 3 Pour 100ml (3.5 US Fl oz) of clean water into the plastic container and add the 0.5kg (1lb) 574 Fastfill Plug.
- 4 Mix using a gloved hand. Always add powder to water, mix until the product is consistent and streak free.

D. Application

Mix the complete unit of material:

- 1 Form the mixed material into a ball shape in a gloved hand until slight stiffening occurs.
- 2 Force the material into the void with the minimum of working.
- 3 Hold in place for 1-2 minutes.
- 4 Once the leak has been plugged ensure the surface of the repair area is kept wet for a minimum of 15 minutes.

Quick Application Guide



Step 1

Ensure you have:

- 1 x 8kg material
- 1 x clean water
- 1 x gloves
- 1 x spatula
- 1 x trowel



Step 2

Pour 100ml (3.5 US Fl oz) of clean water into the plastic container and add the 0.5kg (1lb) 574 Fastfill Plug.



Step 3

574 Fastfill Plug should be mixed by hand in a clean plastic container. Mix using a gloved hand. Always add powder to water, mix until the product is consistent and streak free.



Step 4

Force the material into the void with the minimum of working. Hold in place for 1-2 minutes.



Step 5

Once the leak has been plugged ensure the surface of the repair area is kept wet for a minimum of 15 minutes.

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.

Information & Enquiries

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