



575 Expansion Joint Filler

Flexible, solvent free polyurethane sealant for horizontal expansion joints. Pourable, fast curing, and resistant to fuels, oils, and chemicals.

- Highly flexible, solvent free polyurethane formulation
- Pourable for easy filling of horizontal expansion joints
- Fast curing with excellent chemical & fuel resistance
- Maintains bond and flexibility under movement and load

Typical Applications

575 Expansion Joint Filler is a two component, solvent free polyurethane sealant designed for filling and sealing expansion joints in demanding environments. Its pitch modified formulation allows it to accommodate joint movement, temperature fluctuations, and structural vibration without cracking or loss of adhesion.

- Airfield runways
 - Major carriageways
 - Docks
 - Container depots
- Sealing and filling expansion joints
 - Concrete paved areas
 - Industrial factories & warehousing

Cure times

Usable Life		Touch dry		Full cure	
10°C/50°F	90 mins	10°C/50°F	8 hours	10°C/50°F	2 days
20°C/68°F	45 mins	20°C/68°F	4 hours	20°C/68°F	1 day
30°C/86°F	22 mins	30°C/86°F	2 hours	30°C/86°F	12 hours
40°C/104°F	11 mins	40°C/104°F	1 hour	40°C/104°F	6 hours

Characteristics

Appearance

Base	Grey liquid
Activator	Clear liquid
Mixed	Grey liquid

Solids Content

100%

Volume Capacity

780cc/kg

Density

Base	1.35
Activator	1.05
Mixed	1.28

Mixing Ratio

By weight	4.5:1
By volume	3.5:1

Storage Life

1 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.

Mechanical Properties

Movement accommodation

25%

Resilience

Tested to BS 5212

95%

Adhesion

Tested to BS 5212

100% at 20°C (212°F)

Hardness

Tested to ASTM D2240

Shore A 25

Chemical Resistance

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

Aviation Oil	50°C (122°F)
Crude Oil	40°C (104°F)
Diesel	40°C (104°F)

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:
4.5ltrs (1.2 US gallons)

Coverage

4.5ltrs (1.2 US gallons) of fully mixed product will give the following coverage rates per litre:

Joint depth (mm)	Joint width (mm)				
	10	15	20	25	30
10mm	10	6.7	5	4	3.33
15mm	6.7	4.45	3.33	2.67	2.23
20mm	5	3.3	2.5	2	1.67
25mm	4	2.7	1.6	1.33	1.33

Application Guide

A. Surface Preparation

Cementitious surfaces:

- 1 All joints should be completely dry and free from all traces of dirt, dust, grease and any previous sealants and other foreign matter.
- 2 Cleaning may be carried out by grit blasting, grinding, sawing or water jetting.
- 3 Wire brush must only be used for the removal of filler boards.
- 4 In all cases a clean bonding surface must be obtained
- 5 Joint sides must be parallel and straight. Spalled joints should be prepared with an appropriate material such as 571 LW.

Once the bond breaker or foam insert has been positioned into the expansion joint:

- 1 Apply 575 EJF Primer to all surfaces using a synthetic brush.
- 2 Leave 30 mins for the solvent to evaporate. If application of the sealant is delayed for more than 2 hours after priming, joints should be reprimed.

PLEASE NOTE: Following preparation of the surface, place into the joint a bond breaker or back up foam to form the correct cross section for the joint sealant and to ensure 575 Expansion Joint Filler does not bond to the base of the expansion joint.

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.

B. Product Preparation

Prior to mixing, please ensure the following:

- 1 The material components are at a temperature between 15–25°C (60–77°F).
- 2 The ambient & surface temperature is above 10°C (50°F).
- 3 The ambient & surface temperatures are not less than 3°C (6°F) above the dew point.

C. Mixing & Application

Mix the complete unit of material (4.5ltrs):

- 1 Take the base unit of the material and add the activator unit.
- 2 Once the activator contents have been poured into the base, mix the material using a slow speed electric mixer.
- 3 Mixing should take around 2–3 minutes, pay attention to the sides and the base of the container.
- 4 Once mixed, simply pour the product into the joint or gap and ensure the product is pressed into the void to expel as much trapped air as possible.

D. Application

Joint filler application:

- 1 Place suitable backer rod into the joint area and tape edges of the joint area.
- 2 Using a paint brush prime all concrete surfaces with 575 EJF primer. Leave for 30 minutes, overcoat within 2 hours.
- 3 Mix the two components using the drill and paddle.
- 4 Transfer the mixed material into the jug or other suitable dispensing vessel, such as a caulking gun.
- 5 Pour into the joint area and smooth the finish using a spatula.

Quick Application Guide



Step 1

Ensure you have:

- 1 x base unit
- 1 x activator unit
- 1 x 575 EJP primer
- 1 x electric drill & paddle mixer
- 1 x plastic jug
- 1 x paint brush
- 1 x spatula



Step 2

Place suitable backer rod into the joint area and tape edges of the joint area.



Step 3

Using a paint brush prime all concrete surfaces with 575 EJP primer. Leave for 30 minutes, overcoat within 2 hours.



Step 4

Mix the two components using the drill and paddle. Transfer the mixed material into the jug or other suitable dispensing vessel, such as a caulking gun.



Step 5

Pour into the joint area and smooth the finish using a spatula.

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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