

RESICHEM 575 Expansion Joint Filler – flexible solvent free polyurethane sealant

Resichem 575 Expansion Joint Filler is a pitch modified two part polyurethane sealant for filling / sealing expansion joints in concrete paved areas, airfield runways, major carriageways, docks, container depots, industrial factories and warehousing. It is capable of accommodating movement and severe climatic conditions, as well as possessing resistance to jet fuels, jet blast, oils, and a wide range of chemicals.

- Flexible chemical resistant sealant
- Pourable
- Fast curing

Typical applications

Sealing and filling expansion joints in concrete paved areas, airfield runways, major carriageways, docks, container depots, industrial factories and warehousing.

Surface Preparation

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.

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.

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

1. Apply 575 EJF Primer to all surfaces using a 2" synthetic brush.
2. 575 EJF Primer is an adhesion promoter and should be applied to any bonding surfaces as liberally as possible.
3. After priming, allow half an hour for the solvent to evaporate. If application of the sealant is delayed for more than 2 hours after priming, joints should be reprimed.

Mixing & Application

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.

Once these 3 checks have been met, please proceed with mixing the product.

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.

Coverage Rates

4.5ltrs (1.2 US gallon) of fully mixed product will give the following coverage rates –

Length of joint filled in metres per litre of mixed material

Depth of Joint mm	Width of joint - mm				
	10	15	20	25	30
10	10	6.7	5	4	3.33
15		4.45	3.33	2.67	2.23
20			2.5	2	2.67
25			1.6	1.33	

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

Cure Times

At 20°C (68°F) the applied materials should be allowed to harden for the times indicated below before being subjected to the conditions indicated. These times will be extended at lower temperatures and reduced at higher temperatures:

Usable life	45 minutes
Touch dry	4 hours
Full cure	1 day

Pack Sizes

This product is available in the following pack sizes –
4.5ltrs (1.2 US gallon)

Colour

Base component – Black or grey
Activator component – Amber

Storage Life

1 year if unopened and store in normal dry conditions (15-30°C/ 60-86°F)

Other Technical Documents

Safety Data Sheets	-	Base & Activator components
Product Specification Sheet	-	Technical Performance Information

Health and Safety

Please ensure good practice is observed at all times. Protective gloves, goggles & a disposable coverall must be worn during the mixing and application of this product. Before mixing and applying the material ensure you have read the fully detailed Safety Data Sheet.

Legal Notice:

The data contained within this Technical Data Sheet 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 if the product is suitable for use. Resimac accepts no liability arising out of the use of this information or the product described herein.