

1718 Epoxy Adhesive

DESCRIPTION

Polymer 1718 is a two part epoxy adhesive

FOR BONDING

Polymer 1718 may be used to bond synthetic grass in outdoor situations, timber parquetry on suspect floors, ceramic tiles in wet areas and many makes of studded rubber flooring.

TO

Most common building substrates including concrete, timber, and steel providing an excellent bond highly resistant to water and most common chemicals.

PREPARATION

All surfaces should be clean, dry, and free of grease, oil and other contaminants. Any laitance on the concrete should be removed by grinding with an acid type cleaner.

MIXING

Polymer 1718 has been developed for ease of handling and mixing by the floor layer. The packs are accurately weighed by the manufacturer (in the ratio of 3 parts Resin A to 2 parts Hardener B). Contents of Part B should be completely emptied into the Part A container and the two parts thoroughly mixed. The difference in colour between Parts A and B helps to indicate that mixing is complete.

APPLICATION

It is most important that the suitability of the adhesive for any particular flooring be checked before using. A small practical stick test by the layer or discussion with the manufacturer will ascertain the suitability. Studded rubber in particular seems to vary greatly between different makers due to variations in the base rubber compounds and fillers that are used. Considerable variations in results have been noticed even between different colours in the same make and this emphasises the importance of checking the suitability prior to commencing a job.

After mixing and emptying the container onto the substrate the adhesive should be spread by notched trowel (approx 2mm notches for synthetic grass or 1.5mm notches for studded rubber or other smooth backed materials). The material should be laid into the wet film of adhesive. Polymer 1718, in common with other epoxy adhesives, does not possess wet or dry tack properties – it relies upon the thickness of the adhesive film to hold down the material – should the material not tend to lay flat, eg; corner of

studded rubber tiles peaking, then assistance should be given in holding down with weights until partial cure has been reached. Curing time is very much related to temperature (below 7°C the cure is suspended) but generally speaking, the initial bond sets up within approx 12 hours and final cure is reached after 7 days. Over this 7 day period the bond gradually increases in strength.

USEFUL HINTS

1. Use a paint stirrer in an electric hand drill for quick and easy mixing.
2. Chemical reaction in the mix generates heat which speeds the cure time and shortens the pot life of the two mixed components – if the whole of the mix is poured onto the floor and roughly spread around prior to correct trowelling this will dissipate some of the heat, make for ease of spreading and extend the pot life.

TECHNICAL DATA

<i>Appearance</i>	Grey paste when mixed
<i>Solids</i>	Almost 100%
<i>Base</i>	Epoxy
<i>Toxicity</i>	Non hazardous
<i>Flammability</i>	Supports combustion

CONTAINER SIZE

5KG UNIT – (Part A = 3kg Part B = 2kg)
12.5KG UNIT – (Part A = 7.5kg Part B = 5kg)

COVERAGE

Smoothback materials (studded rubber etc) approx 2m² per kg. Parquetry and carpet or other rough backed materials approx 1 – 1.5m² per kg

CLEAN UP

Polymer 1718 is very difficult to remove from any surface once cured. Clean up any excess adhesive immediately with alcohol or white spirit. Clean tools immediately with soapy water.

SAFETY AND HANDLING

Refer to Material Safety Data Sheet.

STORAGE

Use in well ventilated area. Keep container closed. Store away from sources of heat.

Disclaimer: Information given on this data sheet, is to the best available knowledge of the manufacturer, true and correct. However owing to the diverse nature of applications, conditions, and materials used, no guarantee either expressed or implied, can be given.
Enquiries should be directed to Gilt Edge Industries.
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