

Technical Data Sheet

FORTIS AD525

Fortis AD525 is a two component fast setting flexible polyurea hybrid adhesive used to fill control joints or new construction saw joints on horizontal concrete surfaces. It is designed for heavy duty traffic and freezer applications. It can also be used for gasket bonding and electrical potting.

*** This product is highly sensitive to moisture and cannot be used if any dampness is present***

***Discolors on exposure to UV**

FEATURES

- 100% Solids
- 10-15% joint movement
- Self leveling
- Water resistant
- Low shrinkage
- Trafficable
- Elastic
- Superior adhesion
- Excellent heat resistance

TYPICAL APPLICATION

- Crack / Joint filling
- Gasket bonding
- Electrical Potting

TECHNICAL DATA

Color : Charcoal Grey

Mixed Viscosity : Self Leveling

Pot Life(100g) :4min

Tack Free: 10-15min

Elongation% : >200% (ASTM D-214)

Shore A: 85-90

Resistant to most solvents

Resistant to weak acid and alkali

APPLICATION

Fortis AD525 must be dispensed with 1:1 ratio dispensing equipment. The repaired crack or control joint can be shaved in approximately 45 minutes. Prior to coating it is recommend to test adhesion of the coating to AD525. Please contact Fortis to obtain both guns and correct nozzles for use.

CRACK FIXING If using a saw to cut concrete and clean the crack, remove all the dust from the cut out area. Make sure the area is dry. Vacuum or blow off cement dust. Preferred method is to fill from bottom to top using a dispensing tip that fits into the joint. Take care not to entrap air bubbles. Slightly overfill the joint, leaving a crowned profile, and allow to cure. The crown may be easily shaved off as early as 15-30 minutes after placement, depending upon temperature. Not for sealing cracks and joints under hydrostatic pressure or with extreme movement. Material is a vapour barrier after cure. Minimum age of concrete must be 21-28 days, depending on curing and drying conditions prior to applications.

CONTROL JOINTS

Do not fuse in expansion joints. It can be used to fill interior/exterior control joints or new construction saw joints on horizontal concrete surfaces.

HEAVY DUTY TRAFFIC

Industrial floor Applications, the maximum joint width is 19 mm and joint depth should be a minimum of 2-3 times the width.

- FOOT TRAFFIC, the maximum joint or crack width is 19 mm and minimum depth can be reduced to 12 mm
- Exterior applications when minimal joint movement from thermal cycling will occur.

• AD525 is not intended for joints subject to high movement but will provide 10-12% movement of installed joint width when placing backer rod or a small amount of sand to the bottom of the joint to avoid adhesive bonding to the bottom. For deep joints fill the joint with dry sand to reduce the amount of fill, followed by a backing rod.

GASKET BONDING: metal is clean and free of oils. Use wax and grease remover and allow to flash off prior to use.

ELECTRICAL POTTING: Blow area clean with Nitrogen. Ensure potted part is less than 3 cm in depth to limit heat exposure.

Due to the many variables and factors beyond the control of Fortis Adhesives & Coatings, and within the control & knowledge of the end user associated with use of such an adhesive product, it is strongly recommend that users trial this product with a small test sample prior to use on the intended project area. The user can then make a final assessment of the compatibility of this product for a given project.

SAFETY

- Store , store in cool, dry conditions, out of direct sunlight and in a well ventilated area. DO NOT store below 10°C or over 50°C.
- Good industrial hygiene should be observed at all times – Appropriate PPE should be worn including impervious gloves & eye wear.

For further information, refer to the Fortis website www.fortisadhesives.com.au It contains not only the Safety Data Sheets but also technical bulletins on adhesive applications and surface preparation.

Disclaimer

Fortis products should be used in accordance with the information contained here. Each user should read and consider this information carefully in the context of how the products will be handled and used in the workplace including in conjunction with other products. While the information contained here is to the best of our knowledge at the date of publication, Fortis makes no representation about the accuracy of the information. If you need clarification or more information, you should contact Fortis Adhesives & Coatings office directly. Fortis products are sold without express or implied warranties, other than as provided by statute, and subject to our standard terms and conditions (provided to customers and available on request). Subject to our standard terms and conditions, and any statutory provisions, Fortis accepts no responsibility (including in negligence) for loss or damage of any nature resulting from the use of Fortis Adhesives & Coatings products or reliance upon the information contained here



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