

TECHNICAL DATA SHEET

FORTIS AD824 **Fast Curing Semi-flexible Epoxy Adhesive Paste**

DESCRIPTION	FORTIS AD824 is a two-component thixotropic flexible epoxy system supplied in easy to use cartridge system with static mixer.
USES	Structural adhesive Anchoring systems to concrete and masonry Road Markers Rubber composites
COLOUR	Grey
PACK SIZE	1.5kg static mixer kit
FEATURES	Good substrate wetting characteristics Blush resistance to humid conditions
MIXING	Only use the mix pack provided By volume – 1 parts Part A to 1 part, Part B For consistent results and to realise the full structural potential of the system, measuring accuracy should be within the range of + or - 5%.
SURFACE PREPARATION	All substrates to be bonded should be clean, dry and free from oil, grease or other contaminants. Metal oxides should be removed not earlier than 4 hours prior. Glossy surfaces should be sanded to provide a key.

TECHNICAL DATA

Coverage Rate:	400-800gm/m ²
Cure Time:	Minimum cure time at 25°C is 14 hours. Full Cure at 25°C is 24 hours Minimum cure time at 10°C is 24 hours. Full Cure at 10°C is 7 days Note: Minimum application temperature is 5°C

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Working Time: Approximately 12-16 minutes once applied, depending on ambient conditions.

Shelf Life: 18 months in unopened containers.

Clean Up: Clean up frequently using Fortis Polyurethane Brush Cleaner before product has set on equipment.

Physicals:

Compressive Strength	N/mm ²	ISO 604	85 - 90
Elastic Modulus In Compression	N/mm ²	ASTM D695	1990
Tensile Bond Strength (Al/Al at 25°C)	N/mm ²	ISO 4587	12 minimum
Flexural Strength	N/mm ²	ISO 178	30
Tensile Strength	N/mm ²	ISO 527	35
Maximum Operating Temperature		DSC 7	70°C
Water Absorption at 25°C	10 days	ISO 62	0.2 – 0.4% by weight
1N/Mm ² = 1 Mpa = 145 Psi			
Shore D Hardness			80
*Typical Figures Only, Will Vary With Time And Temperature.			

Determined on standard test specimen at 23°C. Cured for 24h/RT + 6h/80°C

PRECAUTION The cure of epoxy products can be affected by moisture, which reacts with the Part B to give a surface "bloom".

SAFETY DATA Please refer to Fortis Safety Data Sheet for Fortis AD825. Fortis AD825 is safe if good working practices and proper application equipment is used. Good industrial hygiene should be observed at all times - **impervious gloves are essential** when handling adhesive. Ensure use in ventilated area due to odours.

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

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