

TECHNICAL DATA SHEET

FORTIS AD825 – Structural Anchoring Epoxy Adhesive

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INTRODUCTION

FORTIS AD825 – Structural Anchoring Epoxy Adhesive

Is a two-component thixotropic epoxy system supplied in easy to use cartridge system with static mixer.

USE

It is predominantly for use as a structural adhesive for anchoring systems to concrete and masonry.

FEATURES

Good substrate wetting characteristics
Silane modified for substrate bonding
Blush resistance to humid conditions

TECHNICAL DATA

Colour			Grey
Pack Size			680 static mixer kit
Coverage Rate			400 -800gm/m ²
Shelf Life			18 months in unopened containers
Compressive Strength	N/mm ²	ISO 604	85 - 90
Elastic Modulus In Compression	N/mm ²	ASTM D695	1990
Tensile Bond Strength (Al/Al @ 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	70°C
Water Absorption @ 25°C	10 days	ISO 62	0.2 – 0.4% by weight
1N/Mm ² = 1 Mpa = 145 Psi			
Shore D Hardness			80
Determined on standard test specimen at 23°C. Cured for 24hr/RT + 6h/80°C * Typical figures only, will vary with time and temperature			

APPLICATION

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.

MIXING

Only use the mix pack provided:

By volume – 2 parts Part A to 1 part, Part B.

To achieve consistent results and to realise the full structural potential of the system, measuring accuracy should be within the range of ± 5%.

Coverage Rate

680 static mixer kit

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APPLICATION CONTINUED

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 7days

Please Note: Minimum application temperature is 5°C.

WORKING TIME

Approximately 12 – 16 minutes once applied, depending on ambient conditions.

PRECAUTION:

The cure of epoxy products can be effected by moisture, which reacts with the part B to give a surface “bloom.”

CLEAN UP

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

SAFETY

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

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