

FX-763

Low-Modulus Trowel-Grade Epoxy



A Simpson Strong-Tie® Company

The information in this technical data sheet is valid for the S&P range of products, systems and solutions.
Please note that the information in your country may vary. Visit sp-reinforcement.eu to find your local branch.

DESCRIPTION

FX-763 Low-Modulus Trowel-Grade Epoxy is a two-component, 100 % solids, moisture-tolerant, non-sag epoxy designed for vertical, horizontal, and overhead applications and uses.

WHERE TO USE

- As top-bevel material for the FX-70® Structural Repair and Protection System
- For vertical and overhead concrete patching

PERFORMANCE FEATURES

- Bonds well to most construction materials
- Bonds to dry or damp surfaces
- Excellent chemical and abrasion resistance in wastewater and other industrial applications
- Exceptional resistance to hydrogen sulfide (H₂S) gas
- Easily applied with trowel or putty knife

GENERAL FEATURES

PRODUCT DATA

Generic Description

Trowel-grade epoxy

Packaging

5 kg kit contains:

- 1 x 3.43 kg Component "A"
- 1 x 1.67 kg Component "B"

Colour

Mixed Epoxy: Grey

Product Yield

3 dm³ per 5 kg unit

Pot Life

30 min. at 22°C

Storage

Store dry between 4–35°C

Shelf Life

2 years in unopened packaging

Solids Content

100% by volume

Viscosity

Non-sag

TECHNICAL INFORMATION

Property	Test method	Unit	Value
Compressive strength	EN 196-1	N/mm ²	≥ 90
Tensile strength (bending)	EN 196-1	N/mm ²	≥ 40
E-Modulus (compression)	EN 13412	N/mm ²	≥ 8000
Shore Hardness	DIN ISO 7619-1	D	85
E-Modulus (bending)	EN ISO 178	N/mm ²	≥ 7500
E-Modulus (tension)	EN ISO 527	N/mm ²	≥ 6000

All tests are performed at 23 °C and 50 % relative humidity

PLANNING

LIMITATIONS

- Do not apply to surfaces below 4 °C
- Do not apply to surfaces above 32 °C
- 2.5 cm maximum lift thickness for vertical and overhead repairs
- Material is a vapour barrier after cure. Concrete surface must not exhibit an active moisture vapor drive
- Adhesion and product compatibility testing must be performed prior to over-coating existing coatings
- Product may discolour if exposed to direct sunlight
- Not recommended for large exterior repairs or applications subject to large thermal change
- Not for use as a structural anchoring adhesive
- Do not exceed one part by volume FX-701 Graded Silica Filler for mortar mixes

Please note: This product has not been evaluated for resisting long-term sustained loads in anchor applications. Please contact S&P for solutions in this field.

PREPARATION

SURFACE PREPARATION

All surfaces must be sound, clean and free of all contaminants that could impair product adhesion or performance.

MIXING

For optimal product performance, condition individual components to 21 °C and stir thoroughly prior to use. Do not prepare more material than can be used within the pot life of the product. For neat resin: Proportion components in a clean pail or use calibrated mixing equipment. Mix thoroughly with a low-speed (300–600 rpm) drill and mixing paddle for 2–3 minutes, scraping unmixed material from sides and bottom of mixing container as needed to achieve a uniform consistency. Avoid entrapping air into mixture.

APPLICATION



Install FX-763 Trowel Grade Epoxy at the head of the jacket and finish to a 45° tapered bevel, creating a water and chemical resistant barrier to the repair system.

IMPORTANT SAFETY INSTRUCTIONS

For detailed safety information, we recommend that you see the current safety data sheets which are available on www.sp-reinforcement.eu or you can contact us on +41 41 825 0070.

S&P's range of products are for industrial use. They must be installed by specialised personnel and competent professionals with adequate training. The installation instructions must be followed.

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The information and data in this technical data sheet serve to ensure the normal intended use and normal application suitability; the information and data are based on our knowledge and experience. They do not absolve the user from their own responsibility to check the suitability and application method.

The rights to make changes to product specifications are reserved. Furthermore, our general sales and delivery terms apply. The current, most recent product data sheet is valid, and should be requested from us.

Head Office

S&P Clever Reinforcement Company AG

Seewernstrasse 127

CH-6423 Seewen

Phone: +41 41 825 00 70

Fax: +41 41 825 00 75

Web: www.sp-reinforcement.ch

E-Mail: info@sp-reinforcement.ch