

In-Pakt Precision FS is a pre-packaged, high performance, shrinkage-compensated, cementitious grout. This product is a rapid-setting, cement-based, non-metallic, shrinkage-compensated grout containing well-graded, natural, fine aggregate, and other carefully selected components.

FEATURES & BENEFITS

- Rapid-setting
- Excellent flowability
- Non-corrosive, non-chloride, non-metallic
- All KING products are manufactured using ISO 9001:2015 Certified Processes

USES

- Grouting connections between precast concrete units
- Grouting anchor bolts, dowels and hand rails
- Not recommended for areas of extremely high vibration
- Grout should be protected from freezing until after final set
- Surface temperature of the grouted area should be between 5 °C (40 °F) and 30 °C (86 °F)
- Contact your KING Technical Representative for recommendations or information on uses or conditions not listed

PROCEDURES

Surface Preparation: All surfaces to be in contact with In-Pakt Precision FS must be free from dust, oil, grease or any other foreign substances that may interfere with the bond of the material. Remove all delaminated or unsound concrete providing a roughened surface. Clean the area to be repaired with potable water, leaving the concrete saturated but free of standing water (SSD).

Mixing: Place 75% of required potable water into mixer and slowly introduce entire bag of In-Pakt Precision FS. Add balance of required water slowly while mixer is running, not exceeding maximum recommended volume of water. **The recommended volume of water is 4.0 L (1.0 US gallon) per 25 KG (55 lb) bag.** Continue mixing for a minimum of 2 minutes and stop only when material has obtained a consistent homogeneous mix. Keep grout mix well agitated until placed.

Placing: In-Pakt Precision FS must be poured into place. Pour continuously with adequate head pressure ensuring that all voids are completely filled.

TECHNICAL DATA

The following data is representative of typical values achievable under laboratory conditions. Results in the field may vary.

WORKING TIME

20 minutes

SET TIME

ASTM C 266

Initial: 30 minutes

Final: 40 minutes

SLUMP FLOW (MINI)

150 mm - 250 mm
(6 inches - 10 inches)

WET DENSITY

ASTM C 138

2280 kg/m³ (142 lb/ft³)

COMPRESSIVE STRENGTH

ASTM C 109

1 Day 25 MPa (3625 psi)

7 Day 45 MPa (6525 psi)

28 Day 50 MPa (7250 psi)

YIELD

25 KG (55 lb) bag contains approximately 0.013 m³ (0.46 ft³).

PACKAGING

In-Pakt Precision FS is normally packaged in 25 KG (55 lb) triple-lined bags and polywrapped on wooden pallets. All KING products can be custom packaged to suit specific job requirements.

STORAGE AND SHELF LIFE

Material should be stored in a dry, covered area, protected from the elements. Unopened bags have a shelf life of 12 months.

SAFETY PROCEDURES

In-Pakt Precision FS contains Portland cement. Normal safety-wear such as rubber gloves, dust mask and safety glasses used to handle conventional cement based products should be worn. Safety Data Sheets are available upon request.

Warranty: This product is designed to meet the performance specifications outlined in this product data sheet. If the product is used in conditions for which it was not intended, or applied in a manner contrary to the written recommendations contained in the product data sheet, the product may not reach such performance specifications. The foregoing is in lieu of any other warranties, representations or conditions, expressed or implied, including, but not limited to, implied warranties or conditions of merchantable quality or fitness for particular purposes, and those arising by statute or otherwise in law or from a course of dealing or usage of trade. [REV.0005_2458717.5]

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