Flexjoint™ Joint Sealant

SELECTION & SPECIFICATION DATA

Type
Flexibilized epoxy joint sealant

Description
Flexjoint Joint Sealant is a self-leveling, 2-component, flexibilized epoxy joint sealant for heavy traffic areas.

Uses
- Acid brick flooring compression joints
- Concrete control and construction joints
- Concrete isolation joints
- Concrete cracks

Features
- Corrosion resistant
- Supports heavy traffic loads over joints
- Absorbs irreversible brick growth stresses
- Easy to mix
- High bond strength

Limitations
- Not suitable for moving expansion joints
- Not suitable for vertical joint sealing
- Not for use beyond its chemical resistance or thermal capabilities. Consult ErgonArmor with specific questions.

INSTALLATION GUIDANCE

Reference Specifications
CES-130 Installation Specification for ErgonArmor Joint Sealants

Installation Conditions
Flexjoint Joint Sealant is formulated for ideal handling at 70°F (21°C). Materials and substrate should be acclimated to the air temperature prior to installation, and the air temperature should be between 50°F (10°C) and 90°F (32°C) during installation and cure. Bonding surfaces must be clean, dry and neutral pH.

Ratio
9.1 lb resin: 0.51 lb hardener.

Mixing
Do not mix partial units. Mix Part A resin for 1 minute. Slowly add Part B hardener to Part A resin. Mix thoroughly for 3 full minutes.

Work Life
45-60 minutes at 70°F (21°C)

Work life is shorter at higher temperatures.

Cleanup
MEK

CURE TIME

Temperature	Tack Free	Full Cure
70°F (21°C)	16 hours	7 days

SAFETY

Safety
Mixes and applications of this product present a number of hazards. Read and follow the hazard information, precautions and first aid directions on the individual product labels and safety data sheets before using.

Ventilation
Provide thorough air circulation during and after application until the material has cured when used in enclosed areas.

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PACKAGING & ESTIMATING

Product	Code	Packaging
Flexjoint Pouring Grade, Black	19690	4 x 0.75 gal units/case
Flexjoint Pouring Grade, Gray	19691	4 x 0.75 gal units/case

A 3.0-gallon case consists of 4 x 9.1 lb cans of Part A resin and 4 x 0.51 lb cans of Part B hardener.

Theoretical Coverage

1/4 x 1/4 inch - 235 lineal feet (72 m) per unit
1/2 x 1/2 inch - 59 lineal feet (18 m) per unit
1/2 x 1 inch - 30 lineal feet (9 m) per unit
1 x 1 inch - 15 lineal feet (4.5 m) per unit

Above coverages are for 1 unit. There are 4 units in a case.

Storage & Shelf Life

Maintain products in original packaging and sealed until ready for use. Estimated shelf life of Flexjoint Joint Sealant components is 12 months when stored in a dry area at 70˚F (21˚C). Actual shelf life may vary with storage conditions.

If there is any question with respect to the quality of the components, check reactivity prior to use. For assistance consult with ErgonArmor.

TYPICAL PHYSICAL PROPERTIES

Property	Typical Value
Color	Black or gray
Consistency	Self leveling
Density, ASTM C138	12.5 lb per gal (1,506 kg/m^3)
Cured hardness, Shore D	45
Tensile strength, ASTM D412	>900 psi (6.2 MPa)
Elongation, ASTM D412	>50%
Adhesion to concrete, ASTM C321	Exceeds strength of concrete
Primer for concrete	Penntrowel™ Epoxy Primer or Novocoat™ SC1100 Concrete Primer

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