

# Flexjoint™ Joint Sealant

## SELECTION & SPECIFICATION DATA

<b>Type</b>	Flexibilized epoxy joint sealant
<b>Description</b>	Flexjoint Joint Sealant is a self-leveling, 2-component, flexibilized epoxy joint sealant for heavy traffic areas.
<b>Uses</b>	<ul style="list-style-type: none"> <li>• Acid brick flooring compression joints</li> <li>• Concrete control and construction joints</li> <li>• Concrete isolation joints</li> <li>• Concrete cracks</li> </ul>
<b>Features</b>	<ul style="list-style-type: none"> <li>• Corrosion resistant</li> <li>• Supports heavy traffic loads over joints</li> <li>• Absorbs irreversible brick growth stresses</li> <li>• Easy to mix</li> <li>• High bond strength</li> </ul>
<b>Limitations</b>	<ul style="list-style-type: none"> <li>• Not suitable for moving expansion joints</li> <li>• Not suitable for vertical joint sealing</li> <li>• Not for use beyond its chemical resistance or thermal capabilities. Consult ErgonArmor with specific questions.</li> </ul>

## INSTALLATION GUIDANCE

<b>Reference Specifications</b>	CES-130 Installation of Joint Sealants
<b>Installation Conditions</b>	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.
<b>Ratio</b>	9.1 lb resin: 0.51 lb hardener.
<b>Mixing</b>	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.
<b>Work Life</b>	45-60 minutes at 70°F (21°C)  Work life is shorter at higher temperatures.
<b>Cleanup</b>	Mineral spirits

## CURE TIME

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

## SAFETY

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

## PACKAGING & ESTIMATING

<b>Product</b>	<b>Code</b>	<b>Packaging</b>
Flexjoint Pouring Grade, Black	19690	4 x 0.75 gal units/case
Flexjoint Pouring Grade, Gray	19691	4 x 0.75 gal units/case
<p>A 3.0 gallon case consists of 4 x 9.1 lb pails of Part A resin and 4 x 0.51 lb cans of Part B hardener.</p>		
<b>Theoretical Coverage</b>	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	
	<p>Above coverages are for 1 unit. There are 4 units in a case.</p>	
<b>Storage &amp; Shelf Life</b>	<p>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.</p> <p>If there is any question with respect to the quality of the components, check reactivity prior to use. For assistance consult with ErgonArmor.</p>	

## TYPICAL PHYSICAL PROPERTIES

<b>Property</b>	<b>Typical Value</b>
Color	Black or gray
Consistency	Self leveling
Density, ASTM C138	12.5 lb per gal (1,506 kg/m <sup>3</sup> )
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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