

## SELECTION & SPECIFICATION DATA

<b>Type</b>	Urethane asphalt joint sealant
<b>Description</b>	Tufchem II Joint Sealant is a black non-sag, 2-component flexible urethane asphalt joint sealant.
<b>Uses</b>	<ul style="list-style-type: none"> <li>• Vertical and horizontal expansion joints</li> <li>• Concrete and metal surfaces</li> </ul>
<b>Features</b>	<ul style="list-style-type: none"> <li>• Chemical resistant</li> <li>• Good elongation and recovery</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 heavy traffic areas.</li> <li>• Limited resistance to ultraviolet light</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-334 Mixing of Tufchem II Membrane CES-130 Installation of Joint Sealants
<b>Installation Conditions</b>	Tufchem II 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>	45.0 base: 1.0 hardener
<b>Mixing</b>	Mix Part A base for 1 minute. Slowly add Part B Urethane Asphalt Hardener to Part A. Mix thoroughly for 3 full minutes. Do not mix partial kits.
<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)	2-4 hours	72 hours

## 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**

Product	Code	Packaging
Tufchem II Joint Sealant Kit	29570	1.5 gallon kit

A 1.5 gallon kit consists of 1 x 12.8 lb pail of Part A base and 1 x 130 gm bottle of Part B hardener.

Theoretical Coverage	
	1/2 x 1/2 inch - 115 lineal feet (35 m) per unit
	1/2 x 1 inch - 58 lineal feet (17 m) per unit
	1 x 1 inch - 29 lineal feet (8.8 m) per unit

Storage & Shelf Life	
	Maintain products in original packaging and sealed until ready for use. Estimated shelf life for the Part A base and Part B hardener is 3 years when stored in a dry area at 70°F (21°C).

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
Consistency	Non-sag
Density, ASTM C138	8.5 lb/gal (1,020 kg/m <sup>3</sup> )
Cured hardness, Shore A	30-40
Tensile strength, ASTM D412	>120 psi (1.5 MPa)
Elongation, ASTM D412	>100%
Adhesion to concrete, ASTM C321	Exceeds strength of concrete
Adhesion to steel, ASTM D412	>120 psi (1.5 MPa)
Primer for concrete	Penntrowel™ Epoxy Primer or Novocoat™ SC1100 Concrete Primer

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