

Description

Speedy Stone Epoxy is a two-component, epoxy adhesive specifically developed for stone work. It gives a strong, durable, and permanent bond. Available in both flowing and knifegrades, it is well suited for a variety of applications.

Major Uses

Very well suited for bonding, laminating, mending and patching stone in both horizontal and vertical applications.

Benefits

- Clear, easy to tint
- Versatile for high humidity and freeze-thaw cycles
- High strength bonds

Application Procedures

- **Surface Preparation:** Surfaces to be joined must be free of oil, grease, wax coatings or other contaminants and must be dry and dust free.
- **Mixing Instructions:** All materials, including stone, must be above 55°F (13°C); temperature will affect the working properties of the material. Data on this sheet is based on 77°F (25°C); cooler temperatures will result in slower (longer) times, warmer temperatures will result in faster (shorter) times. Mix Resin:Hardener at a 2:1 by volume ratio for 2 – 3 minutes. Do not mix more of the Speedy Stone Epoxy than can be used within 10 – 12 minutes.
- **Note:** If resin or hardener is exposed to cool temperatures for extended periods of times, it may crystallize. The product must be liquefied by heating to 150°F (66°C) and mixing until uniform.

Application Properties		
	Speed Stone Epoxy Flowing	Speedy Stone Epoxy Knifegrade
Mix Ratio, (Resin:Hardener)	2:1 by volume 100:43 by weight	2:1 by volume 100:44 by weight
Appearance	Liquid	Soft paste
Color	Clear	Translucent
Viscosity, mixed (cps)	11,000 (Spl. 5 @ 20 rpm)	314,000 (Spl. 7 @ 5 rpm)
Gel Time, 150g at 77°F (25°C)	18 minutes	18 minutes
Thin film set time at 77°F (25°C)	2 – 2.5 hours	2 – 2.5 hours

Cured Properties

Hardness	ASTM D-2240	Shore D	80
Tensile Strength	ASTM D638	psi (MPa)	9,600 (66)
Tensile Modulus	ASTM D638	psi (MPa)	560,000 (3,860)
Flexural Strength	ASTM D790	psi (MPa)	5,000 (34)
Flexural Modulus	ASTM D790	psi (MPa)	530,000 (3,650)
Compressive Strength	ASTM D695	psi (MPa)	13,000 (90)
Compressive Modulus	ASTM D695	psi (MPa)	350,000 (2,410)

Cleaning

All tools and equipment should be cleaned before the system gels. Use methyl ethyl ketone, toluene, or any lacquer solvent when cleaning tools and equipment.

Storage Conditions

- Product is guaranteed for 12 months when stored in original unopened containers between 59 – 77°F (15 – 25°C). Any opened can must be tightly closed.

Handling Precautions

Normal health and safety precautions should be observed when handling these products :

- Ensure good ventilation
- Wear gloves, and safety glasses

For further information, please consult the material safety data sheet.

Guarantee

The information contained in this technical data sheet results from research and tests conducted in our Laboratories under precise conditions. It is the responsibility of the user to determine the suitability of AXSON products, under their own conditions before commencing with the proposed application. AXSON guarantees the conformity of their products with their specifications but cannot guarantee the compatibility of a product with any particular application. AXSON disclaims all responsibility for damage from any incident which results from the use of these products. The responsibility of AXSON is strictly limited to reimbursement or replacement of products which do not comply with the published specifications.