

HE 120

NON-SAG EPOXY PASTE ADHESIVE

High-Strength, Structural, Paste Adhesive

PRODUCT DESCRIPTION

Hallemite 120 Non-Sag Epoxy Paste Adhesive is a two component epoxy bonding agent. It is a structural adhesive designed to transfer loads from one element to another and to be used for general purpose bonding applications. Non-sag properties will be between 1/8" to 1/4" inch depending on the temperature.

Hallemite 120 Non-Sag Epoxy Paste Adhesive meets ASTM C 881, Type II, IV and V, Grade 3, Class B and C.

The product is formulated for bonding rigid materials to cured concrete, such as:

- Bonding Precast Concrete Segments
- Anchoring Bolts, Dowels and Rebars to Concrete and Masonry
- Bonding External Reinforcing Plates, Beams and Pads to Concrete and Masonry
- Fairing Uneven or Rough Surfaces
- Filling "Bug-Holes", Gaps, Joints and Voids
- Crack Repair and Crack Face Surface Seal
- Vertical and Overhead Patching
- Bonding Dissimilar Materials to Concrete
- Pick Proof Sealant for Correctional Facilities

ADVANTAGES

- Meets ASTM C 881, Type II, IV and V, Grade 3, Class B and C
- Non-Abrasive Buttery Consistency (no sand fillers)
- Moisture Insensitive During and After Installation
- Bonds to a Damp Surface
- Non-sag Between 1/8 and 1/4 Inch (depending upon the temperature)
- Resistant to Creep and Stress Relaxation
- Ideal for Patching on Vertical and Overhead Surfaces

PRODUCT INFORMATION

Mix Ratio	A:B	1:1
Color	Part A	White
	Part B	Dark Grey
	Mixed	Light Grey
Non-Sag Characteristics		1/8" to 1/4"
Potlife	150 gr	40 Minutes Minimum
Open Time		1 to 3 Hours
Working Time	1 gallon	30 Minutes Minimum
Cubic Inches/Gallon		231 cu in
Extended Coverage Rate with Aggregate	@ 1:1 Mix Ratio	370 cu in per gallon
Coverage Rate Resin & Hardener	@ 1/8" gallon	12 sq ft per gal
Extended Coverage Rate with Aggregate	@ 1/8" 1:1 Mix Ratio	19 sq ft per gallon
Packaging	Unit Sizes	2 gal kit (2 gal A and 2 gal B per case)
		10 gal kit (2/5gallon pails)
Storage Temperature		55°F (5°C) to 90°F (32°C)
Shelf Life Unopened Containers		1 Year From Mfg Date
VOC		Zero

TYPICAL PHYSICAL PROPERTIES

@ 75°F (23°C)

Physical Property	Test Method	Result
Compressive Strength, min.	ASTM C 579	8,000 psi
Compressive Strength, (Resin) min	ASTM D 695	10,000 psi
Compressive Modulus, psi	ASTM D 695	3.5 X 10 ⁵
Heat Deflection	ASTM D 648	125 min. Temperature, °F
		52 min. Temperature, °C
Tensile Strength, min.	ASTM C 307	1,200 psi
Tensile Strength, (Resin) min.	ASTM D 638	6,000 psi
Bond Strength, min.	ASTM D 4541	>400 psi
Hardness	ASTM C 882	70 – 80
	14 days (moist cure)	1,700 psi
Hardness (Aggregate)	ASTM D 2240 Shore D	6.5 - 7.0
MOH'S Mineral Scale	ASTM D 570	Water Absorption, max. 0.2%
Flammability	ASTM D 635	Self Extinguishing
	ASTM G 21	Bond to Concrete

MIXING and APPLICATIONS

Premix A and B. Mix A and B together per the manufacturer's mix ratio. Trowel in enough material for filling the gaps of the surface intended to be mated. Bond line thickness for neat material should be 1/8" to 1/4" For deep spalls and patching add clean, washed and dried aggregate.

For Anchor Grouting request the manufacturer's detailed application guidelines.

SURFACE PREPARATION

Concrete substrate must be sound and durable, and free of dirt, curing compounds, oils, laitances, and other contaminants. New concrete should be cured a minimum of 28 days. Suitable preparation methods include vacuum blasting, sandblasting,

water cutting, chipping and scarification. Acid etching is not encouraged, although it may be necessary.

See ACI 503 for more details.

SOUND and DURABLE CONCRETE

Sound and durable concrete should be crack free and have a cap pull-off strength of 180 psi, per ACI 503 R.

LIMITED WARRANTY (abridged)

Neither seller nor manufacturer has any knowledge or control concerning the purchaser's use of the system/product. No express warranty is made by the seller or manufacturer with respect to the results of any use of the product. **NO IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO AN IMPLIED WARRANTY OF MERCHANTABILITY, OR AN IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE ARE MADE WITH RESPECT TO THIS SYSTEM/PRODUCT.** Neither seller nor manufacturer assumes any liability for personal injury, loss, or damage resulting from the use of this product. In the event that the product shall prove defective, buyer's exclusive remedy shall be as follows: Seller or manufacturer shall, upon written request of buyer, replace any quantity of the system/product which is proven to be defective, or shall, at its option, refund the purchase price for the system/product upon return of the system/product.

(See Hallemite Price Schedule for full limited warranty)

SPECIAL NOTE: The Company reserves the right to alter or discontinue the system/product described herein at any time without prior notice.

QUESTIONS?

For questions on product availability or to obtain installation instructions, contact the RBC Industries, Hallemite Products Sales Department.

KEEP OUT OF REACH OF CHILDREN BEFORE AND DURING PLACEMENT