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SUPER FAST SETTING FLEXIBLE EPOXY JOINT SEALANT

Hard to Touch Joint Sealed in 1 Hour

Epoxy.com Product #2011

DESCRIPTION

Product #2011 Low Modulus Fast Set Epoxy Gel is a two component 100% solids polymer system designed for applications where a resilient joint material is needed. The two component material (standard) is supplied with a gray component and a clear component. Product #2011 was developed for plural component pump equipment, and is available in cartridge units.

RECOMMENDED USES

Product #2011 Low Modulus Fast Set Epoxy Gel is recommended for concrete/cement expansion joints in general industry.

LIMITATIONS

Not recommended for applications for all acids and chemicals.

PRIMER

None required

TOPCOAT

None required. Many epoxies and urethane are compatible.

LIMITATIONS

- Color stability may be affected by environmental conditions such as high humidity, chemical exposure or exposure to certain types of light such as sodium vapor lighting.
- Colors may vary from batch to batch.
- Gray color is not from our standard color chart.
- Substrate temperature must be 5°F above dew point.
- All new concrete must be cured for at least 30 days prior to application
- This product must be mixed well.
- Apply sample installation at an off-sight location before using material in a commercial setting to become familiar with material limitations.
- Product is not UV color stable.
- This product was developed for plural component mixing equipment so you may want to purchase in binary tube sets, unless you have that kind of equipment.
- Test data based on neat resin.
- Physical properties are typical values and not specifications.

MIXING AND APPLICATION INSTRUCTIONS

PRODUCT STORAGE

Store **Product #2011 Low Modulus Fast Set Epoxy Gel** in an area so as to bring the material to normal room temperature before using. Continuous storage should be between 50-90°F. Avoid low temperatures and large temperature fluctuations in storage as these conditions could cause possible product crystallization.

SURFACE PREPARATION

All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate. We recommend that all loose concrete, previous joint compound or other foreign material be removed to leave a clean sound joint at least 2” deep. For best results, edges should be sawcut and a one inch backer rod should be placed into the joint leaving approximately 1 to 1 1/2 inches from the top of the backer rod to the top of the joint.

PRIMER

No primer is necessary. This material is self priming. However, any suitable primer can be used.

PRODUCT MIXING

It is important that t**Product #2011 Low Modulus Fast Set Epoxy Gel** be mixed well. Improper mixing will cause an incomplete cure and soft spots in the joint. Mix one part by volume part A to one part by volume of part B. This product has a very short pot life of 1-2 minutes and should be applied using plural component pump equipment using a 3/8” diameter 40 element tip. ALWAYS dispense a small beginning portion onto cardboard to prevent non-mixed material from entering joint. Improper mixing may result in product failure.

PRODUCT APPLICATION

Discard the unmixed portion of mixed **Product #2011 Low Modulus Fast Set Epoxy Gel** at the start of each application. This product has a very short pot life of 1-2 minutes and should be applied using plural component pump equipment or dispensed with a dual cartridge caulking gun using a 3/8" diameter 40 element tip. The product in dual cartridges are available from Epoxy.com. Make sure the material applied is uniform in color which would indicate the product is mixed well. If marbling occurs, review your application equipment to ascertain if it will correctly mix the material.

Apply the mixed **Product #2011 Low Modulus Fast Set Epoxy Gel** by pumping the mixed material into the expansion joint to be repaired. Remove any excess material with a putty knife or similar tool after the material has set up enough to cut through with a razor scraping toll. Maintain temperatures within the recommended ranges during the application and curing process. When temperatures are lower, allow more time for this material to cure.

RECOAT OR TOPCOATING

No recoating or topcoating is necessary. However, if you opt to topcoat the applied joint compound, allow it to cure before topcoating. It is not necessary to prime over the joint compound prior to topcoating the joint compound. Many epoxies and urethanes can be used. In some instances, especially when excessive expansion joint movement is involved, topcoats may chip or crack. However, most epoxy or topcoat products will adhere to the joint compound very well.

CLEANUP

Use xylene.

FLOOR CLEANING

Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with a product and process tested.

RESTRICTIONS

Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle.

Physical Properties

SOLIDS BY WEIGHT	100%
VOLATILE ORGANIC CONTENT	0 lb per gallon
COLORS AVAILABLE	Medium gray (mixed) Part A is gray and Part B is clear
RECOMMENDED THICKNESS	1/2" to 1 1/2"
COVERAGE	2 gallon kit @ 1/2" by 1.0" yields 74-78 lineal feet
PACKAGING	2 gallon kit 0.265 (approx) 10 gallon kit 1.325 (approx)
MIX RATIO	1 to 1 by volume
SHELF LIFE	6 months in unopened containers properly stored at normal room temperature. (mix before use)
HARDNESS	40-45 Shore D
COMPRESSIVE STRENGTH	2,300 psi
TENSILE STRENGTH	1,984 psi
ELONGATION AT BREAK	100%
IMPACT RESISTANCE	Excellent
ABRASION RESISTANCE	18.2 mg loss with a 1000 gram total load at 1000 revolutions with a CS17 wheel
ADHESION	410 psi (elcometer) – no delamination/concrete failure
VISCOSITY	Mixed= 1,200 cps – 1,400 cps (typical)

DOT CLASSIFICATIONS	Part A “not regulated” Part B “not regulated”

CURE SCHEDULE (70°)

pot life	1-2 minutes
recoat or topcoat	1 hour
light foot traffic	1-3 hours
full cure (heavy traffic)	3-5 days
APPLICATION TEMPERATURE:	40-90° F

CHEMICAL RESISTANCE

REAGENT	RATING
xylene	B
1,1,1 trichloroethane	B
methanol	A
ethyl alcohol	B
skydrol	B
10% sodium hydroxide	C
50% sodium hydroxide	B
10% sulfuric acid	A
70% sulfuric acid	A
10% HC1 (aq)	A
5% acetic acid	A

Rating key:
A - not recommended,
B - 2 hour term splash spill,
C - 8 hour term splash spill,
D - 72 hour immersion,
E - long term immersion.
NOTE: extensive chemical resistance information is

available through: Epoxy.com Technical Support.

NOTICE TO BUYER

DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

You can find more information on Polyurethane Products, and many of our other products at news.epoxy.com.

We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications.

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Proper mixing and installation is critical to the optimal success of all product. See Installation Tips, Techdata, & MSDS for more details on our products. Be sure to contact us with any questions and/or concerns that you have.

For more information please contact:

Epoxy.com

A Division of Epoxy Systems, Inc
20774 W. Pennsylvania Ave.
Dunnellon, Florida 34431
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Florida & Vermont
USA

Customer and Technical Support Hours: 9AM-4PM Eastern Time (6AM-1PM Pacific Time).
Closed 12 Noon-1PM Eastern Time for Lunch

321-206-1833 Customer Service - Ordering and Order Status
Katey Fontaine, VP - Customer Service Director
sales@epoxy.com

Technical Support
352-533-2167 Norm Lambert, President - Technical Support Director
info@epoxy.com

352-489-1666 Accounting and Administration
Debby Lambert, CEO, and CFO
office@epoxy.com

352-489-1625 Fax line to all Departments

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