

427

EPOXY

Description: Deacon 427 Epoxy is a two-part system that cures at room temperature (65 to 70°F. / 18 to 21°C) in 24 hours. Heat curing is also an option for a faster set up time and to further increase temperature resistance.

Temperature range: to 400°F. (204°C)

Chemical Resistance: Highly resistant to a wide range of compounds including Caustics, Acids, Fuels, Solvents

Characteristics: Deacon 427 contains no solvents which aids in the low shrinkage characteristics. Ultimate tensile strength is 7,500PSI. (liquid mix)

Adhesion: Good adhesion characteristics. Surface preparation is critical. Adheres well to clean dry rough surfaces.

Viscosity: Deacon 427 can be compounded to meet a wide range of applications. (*Liquid, Light Paste, Fibrous Coating*)

Mix Procedure: Deacon 427 is a two-part system mixed equally in a one to one ratio. Mix time varies depending upon mixing equipment and formulation. A homogeneous blend is preferred. exp. Deacon 427 paste, a drill type mixer, mixer blade: approximately 3 to 5 minutes.

Pot Life: Based on a one to one mix ratio by volume: approximately 2.5 hours at 70°F. (21°C.) Note: Actual time may vary based on volume of material, mixing equipment, and temperature.

Clean up: SOLVENTS: M.E.K., Acetone, Isopropyl Alcohol, Dowanol P.M. All mixing and spraying equipment should be cleaned IMMEDIATELY after use!

Packaging: Quarts, Gallons

Shelf Life: Recommended is one year in closed, unopened metal containers.

Note: Maximum substrate temperature for applying is 150°F (66°C)

FOR INDUSTRIAL USE BY PROFESSIONALLY TRAINED PERSONNEL ONLY.

CONSULT MSDS & TECH SHEET FOR ALL SAFETY, TECHNICAL, & WARRANTY INFORMATION BEFORE USE.

NOT RECOMMENDED FOR USE ON NUCLEAR APPLICATIONS

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info@deacon-intlsales.com (800) 552-2896 or (724) 225-8008

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Liquid Mix Cured State Properties*

Ultimate tensile strength: (psi)	7,500
Tensile elongation: (%)	7.2
Ultimate flexural strength: (psi)	11,000
Flexural deflection: (in.)	>0.60
Ultimate compression strength: (psi)	17,200
Compression yield strength: (psi)	9,600
Izod impact: (ft-lbs/in. notch)	1.18
Hardness: (shore D)	82
Water absorption: (% weight gain) 24 hrs immersion	0.25
Weight loss: % 24 hrs at 150°C	0

Procedure Warning: (For industrial use by professionally trained personnel only) If being injected, steps should be taken to insure that the injection pressure in conjunction with pressure that may occur from gassing off of the compound does not exceed the pressure limitations of the piping system. Also, be aware it is quite common that the application temperature will exceed the compound flash point. Be aware of the possibility of a flash and take necessary precautions. Refer to product SDS and technical data for reactivity and compatibility information.

* Determined at 25°C on 1/8" thick test specimens cured for 2 weeks at room temperature.

These results are offered to you in good faith as accurate. We have reviewed any information contained in this sheet, which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. No warranty is made, either expressed or implied.

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