

StructureWrap™ V2 200 Epoxy Resin

High-modulus, high-strength, impregnating resin

Product Description

StructureWrap V2 200 Epoxy Resin is a two-component 100% solids, moisture-tolerant, high strength, high modulus epoxy certified by ICC-ES as meeting building code requirements. It was developed specifically for use as the matrix resin in the StructureWrap V2 090 UC, V2 190UC, V2 140 UG or the V2 280 UG systems.

Applications

- Impregnating resin with StructureWrap systems
- Seal coat prior to system application
- Can be thickened with fumed silica and used as a tack coat for overhead and special vertical applications

Advantages

- Long pot life and working time
- Solvent free, VOC compliant
- Moisture tolerant before, during and after cure
- High strength, high modulus
- Excellent adhesion to structural materials such as concrete, masonry, metal and wood
- High temperature, abrasion and shock resistance
- NSF/ANSI 61 approved for contact with potable water

Coverage

As a sealer: 100 ft²/gal

As an impregnating resin: 50-80 ft²/gal

As a thickening tack coat: 25 ft²/gal

Coverage rates are based on a substrate with normal porosity

Packaging

3 gallon kits

5 gallon kits

50 gallon drums

*Other packaging available upon request

Typical Resin Properties

(Material and curing conditions @ 73°F (23°C) and 50% R.H.)

Shelf Life	Six months (6) in original, unopened container
Storage Conditions	Store dry at 40°-90° F (4° -32°C) (Condition material to 65° -75°F (18° -24°C) before using)
Color	Clear to amber
Mixing Ratio	2:1 by volume (mix entire unit, do not batch)
Viscosity	450 cps
Pot Life (quart)	4 hours
Tack Free	18 hours
Glass Transition Temp	150°F (65°C) after 72 hrs
Service Temperature Range	-40°F to 140°F (-40° to 60°C)

Mechanical Properties

(Min. 7 day cure at 73°F (23°C) and 50% R.H.)

Tensile Strength (ASTM D-638)	10,530 psi (72.6 MPa)
Tensile Modulus (ASTM D-638)	4.7 x 10 ⁵ psi (3,240 MPa)
Elongation at Break (ASTM D-638)	2.25%
Flexural Strength (ASTM D-638)	18,000 psi (124 MPa)
Flexural Modulus (ASTM D-638)	4.6 x 10 ⁵ psi (3,170 MPa)



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Product Data Sheet

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How to Use

Refer to StructureWrap design and installation manual for specific instructions on installation procedure.

Limitations

- Minimum substrate and ambient temperature 40°F (4°C) and rising
- Do not thin with solvents
- Material is a vapor barrier after cure
- Concrete must be 28 days old

Caution

Component 'A' - Irritant, Sensitizer - Contains epoxy resin. Can cause sensitization after prolonged or repeated contact. Skin and eye irritant. **Consult MSDS for more detailed information.**

Component 'B' - Corrosive, Sensitizer - Contains amines. Contact with eyes or skin may cause severe burns. Can cause sensitization after prolonged or repeated contact. Skin and eye irritant. **Consult MSDS for more detailed information.**

First-Aid

Eyes: Hold eyelids apart and flush thoroughly with water for 15 minutes.

Skin: Remove contaminated clothing. Wash skin for 15 minutes with soap and water.

Inhalation: Remove person to fresh air.

Ingestion: Do not induce vomiting.

In all cases, contact a physician immediately if symptoms persist.

Clean Up

Uncured material can be removed with approved solvent. Cured material can only be removed mechanically. In the event of a spill; ventilate area. Confine spill. Collect with absorbent material. Dispose of in accordance with current, applicable local, state and federal regulations.



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