



SPECIALIZED INDUSTRIAL MATERIALS

Product Data Sheet

LP/90™ Low Pressure System

USGBC LEED, EQ Credit 4: Low-emitting VOC Compliant Materials

Product Description- LP/90 is a self-leveling, 100% solids, semi-rigid, two component, rapid curing polyurea semi rigid coating. May be applied in temperatures down to -40°F. LP/90 is designed with low range adhesion strength similar to epoxy joint fillers which provides characteristics for separation during the concrete shrinkage process. Ideal for a number of commercial and industrial applications. Recommended time of concrete cure 30 days prior to the application.

Ideal for Applications in:

- Warehouses
- Industrial facilities
- Cold storage facilities
- Food processing facilities
- Freezers
- Airports

Advantages:

- 100% solids, no VOC's
- Flexible, 315%+ elongation
- Remains flexible in cold temperatures
- Return project to service in 60 minutes
- Cures from -40°F to 130°F
- Odorless, No toxic vapor
- USDA/FSIS/CSA approved
- Complies with USDA/FDA/CFIA regulations
- Resists jet fuel

Physical Properties-

(Typical) 1:1 Mix Ratio Cured Film Properties	Test Method	Typical Value
VOC	ASTM D3960	Zero
Solids content		100%
Tack Free		2 - 3 minutes
Recommended to Shave		20 minutes
Light foot traffic/full traffic ready		60 minutes
Tensile strength (psi)	ASTM D638	1200 - 1400
Tensile elongation (%)	ASTM D638	250 - 550
Elastic modulus	ASTM D638	600 - 900
Adhesion to concrete	ASTM D4541	300 - 400 psi
Tear strength (lb/in)	ASTM D624	200 - 300
Shore A hardness	ASTM D2240	90 - 95
Shore D hardness	ASTM D2240	35 - 45
Tabor abrasion, mg wt loss (1000 g, 1000 revs, H-18)	ASTM D4060	400 - 500

The value ranges stated in this Technical Data Sheet are based on system processing under laboratory conditions. Equipment configurations and/or field application conditions may produce variances in final system values.

Complies with all LEED® Green Building Standards. LP/90 meets and/or exceeds the floor joint filler guidelines set forth by the American Concrete Institute (302.1R-04 Guide for Concrete Floor and Slab Construction, ACI Committee 302), ACI 360 and PCA (Concrete Floors on Ground, Third Edition 2001, James A. Farny, PCA)



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Limitations- LP/90 is an aromatic based polyurea. Discoloration from exposure to ultraviolet light may occur, however the physical properties are unaffected.

Packaging-

- Ten Gallon Kit: 5 gallons of 'A' side and 5 gallons of 'B' side
- Six Hundred ML Cartridges: 300ml of 'A' side and 300ml of 'B' side packaged as a duplex cartridge. Ten cartridges per case.

Mixing- Machine dispensing: Use 1:1 ratio pump with or without heater as required for individual application. Colors - Consult your Specialized Industrial Materials, LLC technician.

Preparation & Installation- Regard **S.I.M.** specification:

Clean Up- Cured product may be disposed of without restriction. Excess liquid 'A' & 'B' material should be mixed together and allowed to cure, then disposed of in the normal manner. Product containers that are "drip free" may be disposed of according to local, state and federal laws.

Safety- Review to the SDS for basic safety for personal protection is:

- Long sleeve overalls or disposable Tyvex overalls
- Rubber gloves
- Splash shield or safety glasses with splash guards
- Rubber or leather boots
- Respirator
- Do not use near high heat or open flame
- Do not take internally
- Keep out of reach of children

Shelf Life- One year from date of shipment, in original, unopened factory containers, under normal storage conditions of 60°F to 95°F (18°-35°C).

Technical Services- Sales and Customer Support 866-944-4495