Technical Datasheet Prime Flex 985 LX20 & LX20 Fast



Two-component structural polyurethane foam

Description

Prime Flex[™] 985 LX20 is a two-component, low exotherm, polyurethane foam used to fill voids, stabilize soil and underseal concrete slabs. Its low viscosity allows for moderate permeation effects as well. The foam is a closed-cell, high density structural foam. The product has been independently tested and verified to meet NSF/ANSI Standard 61.5 for contact with potable water. LX20 Fast has the same features but with much faster reaction times. See test data below for comparison.

Advantages

Quick set time

Low viscosity

Weight

Hydro insensitive

• A side: 10.258 lb/gallon

• B side: 8.497 lb/gallon

· Bonds with soil and to concrete

Low exotherm (will not self ignite)

NSF/ASNI 61.5 compliant (standard LX20 only)

Primary Applications

- Concrete slabs
- Pipes
- Manholes
- Roadways
- Sinkholes
- Seawalls

Packaging

- 10 gallon units
- 100 gallon units
- 600 gallon units

Standard 985 LX20 will ship unless LX20 Fast is specified.

Technical information: Physical properties at 73°F (23°C) - Liquid

Properties will vary depending upon site conditions, application method, mixing method and equipment, material temperature, and curing conditions.

Solids content: 100%

Viscosity: 270-280 centipoise

Note: Viscosity scale for Prime Resins products: 50 and under= super low, 51-100= very low, 101-400= low, and 401-1000= moderate viscosity.

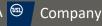
Flash point "B" component: < 72°F (22°C)

Physical Properties - Cured		Results	Test Method
Compressive strength		24 psi / 3,456 psf	ASTM D-1621
Expansion		23x	
Density		3 lbs/cubic ft	
Shrinkage		None	ASTM D-1042 / D-756
Reaction times LX20			
	LX20		LX20 Fast
Initial reaction time	70 seconds		12 seconds
Full rise	6—12.5 minutes		65 – 85 seconds
85% full strength	15 minutes		

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Technical Datasheet

Accessory Products

- Eco Flush Soil probes
- Pumps
 Pipe jack

Directions For Use

Mixing Ratio: A:B 1:1 by volume

Material Preparation: Store material overnight to precondition to between 70 and 80°F (21 to 27°C) prior to use. Pre-mix each component prior to combining. "B" component contains chemicals that settle over time. Failure to properly pre-mix will result in uncured or improperly cured material.

Limitations: Cold temperatures will slow down reaction time and increase viscosity. pH below 3 or above 10 may adversely affect foam properties.

Storage & Clean Up

Storage: Store in dry environment between 40° and 80°F (4.4-27°C). Shelf Life: 12 months from date of manufacture in unopened containers properly stored.

Clean Up: Flush injection equipment with Prime Flex Eco Flush. Clean off of skin with soap and water. Remove cured material by soaking in Prime Flex CGC (not appropriate for contact with plastic).



Environmental Protection

Cured material is environmentally safe. Dispose of in according to appropriate regulations. Clean up any spilled catalyzed liquid material and add a small amount of water to cure unreacted material.

Shipping

Shipping Class: Flammable liquids, N.O.S. Resin Solution, UN 1866, Class 3, PG II Hazard Classification: 3

Health & Safety

Safety: Use OSHA-approved personal protective equipment (PPE), including safety glasses, gloves and confined space equipment/procedures if applicable. Avoid skin contact; do not ingest. See SDS for complete safety precautions. For professional use only

First Aid

Eye Contact: Immediately flush with large amounts of water. Seek medical attention. **Inhalation:** Move to fresh air if symptoms occur. If breathing is difficult, seek medical attention. **Ingestion:** Seek medical attention immediately. **Skin Contact:** Wipe off contaminated area and wash with soap and water.

Manufacturing

Products are manufactured by Prime Resins, Inc. in the U.S.A. under strict quality assurance practices at our Conyers, GA plant.

Warranty & Disclaimer

Prime Resins, Inc. warrants its products to be free from manufacturing defects and that products meet the published characteristics when tested in accordance with ASTM and Prime Resins standards. No other warranties by Prime Resins, Inc. are expressed or implied, including no warranty of merchantability or fitness for a particular purpose. Prime Resins, Inc. will not be liable for damages of any sort resulting from any claimed breach of warranty. Prime Resins' liability under this warranty is limited to replacement of material or refund of sales price of the material. There are no warranties on any product that has exceeded the "shelf life" or "expiration date" printed on the package label.



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