PRIME FLEX 910

DESCRIPTION AND USES:

Prime-Flex 910 is a low viscosity, hydrophobic polyurethane injection resin designed to stabilize soil. When mixed with catalyst and injected, it migrates through loose soil and into below-grade voids. As it comes into contact with ground water, the Prime-Flex 910 begins to react and expands to form a rigid foam. The foam encapsulates loose soil, fills voids, and forms a solid, water- tight barrier. Prime-Flex 910 is used to:

- Stabilize Soil Prior to Excavation
- Stabilize and Strengthen Seawalls
- Stabilize and Stop Water Migration Through Earthen Dams
- Seal Leaks in Below-Grade Walls
- Strengthen Soil for Tie Back Anchors

The uses for the Prime-Flex family of resins are limited only by the imagination of the designer or contractor.

ADVANTAGES:

- Contains No Solvents
- Very Low Viscosity for Good Penetration
- Cure Time Controlled by Catalyst Ratio
- Expands Up to 2,900% to Seal Cracks and Fill Voids
- Encapsulates and Strengthens Loose Soil
- Forms a Water-tight Curtain to Stop Water Migration
- Good Resistance to Chemicals

PACKAGING:

- 5 Gallon Units
- 50 Gallon Units
- 66 ounces Prime-Kat Clear

TYPICAL PHYSICAL PROPERTIES AT 73°F (23°C)

Appearance	Brown Liquid
Viscosity	40 CPS
Weight Per Gallon	9.34 lbs. Per Gallon
Solids Content	100%

CURED FOAM TEST RESULTS*

Tensile Strength	(ASTM D-1623	23 P.S.I.
Elongation	(ASTM D-1623)	3%
Shrinkage	(ASTM D-1042 / D-756)	None

* These results were based on a foam cured under pressure. Properties may vary depending on job conditions.

TYPICAL PHYSICAL PROPERTIES OF PRIME-KAT AT 73°F (23°C)

Appearance	Clear Liquid
Viscosity	15 -20 CPS
Weight Per Gallon	8.73 lbs. Per Gallon
Solids Content	100%

REACTION TIMES 73°F (23°C)

Use the following table to approximate set time and expansion. Different size voids, pressures, water content, etc., will change the set time and expansion. This table is for estimating only.

Kat to 920 Mix Ratio*	Kat to 920 Mix Quantities	Initial Reaction Time	Set Time	Expansion
10%	13 oz. to 1 gal.	12 sec.	30 sec.	29.0x
7.5%	10 oz. to 1 gal.	12 sec.	47 sec.	28.5x
5%	7 oz. to 1 gal.	20 sec.	70 sec.	26.5x
3.5%	5 oz. to 1 gal.	30 sec.	80 sec.	23.5x
1%	1.5 oz. to 1 gal.	90 sec.	5 min. 30 sec.	13.5x

*Maximum mix ratio of Prime-Kat Clear to Prime-Flex 910 is 10% by volume.
(13 ounces Prime-Kat Clear to 1 gallon of Prime-Flex 910)

Prime Kat Clear is a catalyst that causes Prime-Flex to react with water. Once activated, Prime-Flex 910 will react with any available water, including humidity in the air. To minimize loss caused by its reaction with ambient moisture, mix and use material in small batches. If a crust forms on the top of the mixed material, it will act as a temporary seal and inhibit curing of the liquid below the crust. If a crust forms, leave it intact until the liquid under the crust has been pumped. Once Prime-Flex 910 has been activated with Prime-Kat Clear, it should never be left in pumps or stored for more than a few hours.

CAUTION:

Vapor overexposure may cause respiratory irritation, central nervous system depression, and allergic reaction. Avoid contact with skin, eyes, and clothing.
Provide sufficient ventilation to maintain vapor concentrations below recommended exposure limits.

Wear protective rubber gloves and safety glasses or chemical goggles when handling or dispensing materials. Wash contaminated clothing before reuse. See MSDS for further information.

FIRST AID:

SKIN CONTACT- Wipe off contaminated area and wash with soap and water.
EYE CONTACT- Immediately flush eyes with large amounts of water for 10 minutes. Get medical attention.
INHALATION- Move to fresh air if symptoms occur. If breathing is difficult, seek medical attention.
INGESTION- Seek immediate medical attention.

CLEAN UP:

Use Prime Flush cleaner to clean equipment. Use soap and water to clean skin.

STORAGE:

Materials must be stored in dry conditions below 80°F(26°C). Optimal storage conditions are between 40° and 80°F(4° and 15°C). Under proper conditions, the shelf life is eighteen (18) months in unopened, damage-free containers.
PROTECT FROM MOISTURE. DO NOT ALLOW PRODUCT TO FREEZE.

All Prime-Flex materials are manufactured solely by Prime Resins at our Conyers, Georgia plant. Prime Resins has complete control over the quality and availability of the products. If you have any questions or comments about the Prime-Flex products or application techniques you may contact Prime Resins directly at 800-321-7212 Monday through Friday 7:00 A.M. - 5:00 P.M. Eastern Time.

FOR INDUSTRIAL USE ONLY
KEEP OUT OF REACH OF CHILDREN

PROTECT FROM MOISTURE
OBSERVE PRODUCT CAUTIONS

WARRANTY: Prime Resins 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 are expressed or implied, including no warranty of merchantability or fitness for a particular purpose. Prime Resins 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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PRIME RESINS

"Innovations In Infrastructure Repair Technology"

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