



Magmaflow Type K

EPOXY / MORTAR

TYPE:

Magmaflow Type K is a 100%-solids, 3-component, moisture insensitive epoxy grout system.

Florida DOT 926 Type K

DESCRIPTION:

Magmaflow Type K is a versatile system with excellent physical and chemical properties. High strength, solvent free structural bonding, grouting for sealing the bottom of integral pile jackets in the repair of concrete piles.. Epoxy A & B Components are mixed with supplied aggregate component producing a self leveling epoxy grout.

USES: Pile Jacket Grout
'Seal-Slab' underwater grouting

ADVANTAGES:

- Convenient pre-proportioned units
- Liquid in form & yet contains no volatile solvents
- Adheres to most materials used in construction
- Rapid gain of physical properties
- No by-products generated during cure
- High tensile and compressive strength
- Sure-cure in the presence of moisture
- Resistant to the action of weathering, moisture, acids, alkalis

TEST PROPERTY	VALUE	
Mixed viscosity,poise	10-20	
Gel time, min. @ 25° C	40	
Water absorption, %	0.1	
Color mixed	amber	
Compressive strength, psi @ 3d	11,850	ASTM C109
Wet bond strength (MPa) Concrete	7.39	FM 5-518
Wet bond strength (MPa) Fiberglas	7.65	FM 5-518
Shelf Life	2 yr. min.	

PACKAGING: Magmaflow Type K is available in .5 and .375 cf units.

SURFACE PREPARATION:

The success of any adhesive application is directly proportional to the completeness of substrate preparation and the care your crews put into the application. Surface must be clean and sound. Remove marine growth to expose sound concrete & disintegrated materials from surface.

MIXING:

Pour A & B components into a clean pail and mix thoroughly for 2-3 minutes. Add aggregate component and mix the grout with a jiffy mixer (or equivalent), on a low speed (400-600 rpm) drill until a uniform blend is achieved. CAUTION ---Aggregate must be dry to avoid encapsulation of moisture. Mix only complete units.

YIELD:

.5 cf unit yields 3.74 gallons of grout.
.375 cf unit yields 2.8 gallon

LIMITATIONS:

Do not thin Magmaflow Type K. Solvent will prevent proper cure.
Exposure to temperatures (after cure) above 200 ° F not recommended.
Substrate temperature must not be below 40 ° F during application.

CAUTION:

Pot life is dependent upon material temperature and quantity mixed.
The greater the mass the shorter the pot life.
Increased mass and temperature result in higher exotherm and shorter pot life.

STORAGE:

Store inside in tightly closed containers at moderate temperatures. Opened containers should be resealed as soon possible to prevent moisture contamination.

CLEAN UP:

Pilgrim #5 Cleaner is formulated to remove uncured material from tools.

HANDLING PRECAUTIONS:**FOR INDUSTRIAL USE ONLY!**

May produce skin irritation and on prolonged contact may cause serious skin sensitization or other allergic responses. Skin contact should be avoided by use of protective clothing such as rubber gloves and eye protection. Any skin coming in contact with resin should be washed thoroughly with soap and water. Eye contact should be avoided; should it occur, flush thoroughly with water for at least 15 minutes and contact a physician. SPI Classification 4. Consult MSDS for complete information in safety and handling.

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