



Epo-Mor Flowable

3 Part Epoxy Mortar

(2 Part Epoxy + Aggregate Sand)

Description:

Solvent- free two part epoxy binder and selected dry Silica sand used to make an epoxy mortar that is not affected by slight dampness on concrete. Once mixed, it will become concrete gray in color and will have an open time of + or - 30 minutes on the average for use. Heat will accelerate the set and cold weather will slow the setting time.

Product flows easily using our DuraWeld 80 hi mod epoxy binder.

Uses:

Used on cured concrete at least 7-14 days old. Use as repair mortar, for machine pads, as a chemical resistant floor overlay and many more possible uses for this product.

Limitations:

Keep cool prior to mixing because heat will accelerate setting times. On hot days units can be cooled in a cool water bath before use.

Do not use when temperatures are predicted to fall below 40° F as it will hinder or stop the thermosetting properties of epoxy and will not harden, making removal necessary. Not suitable for freezer repairs unless the ambient temperature is brought above acceptable limits. Assess the product use suitable in conditions prone to hydrostatic pressure which could exceed product ability.

Mixing and installation:

Only apply to a clean non-dusting substrate. Mix part A with Part B in equal proportions until color becomes completely uniform.

Add 3 parts of silica sand by volume. Mix in aggregate slowly until it is all consolidated and without any lumps or bubbles. Spread by trowel or squeegee on the surface to be repaired or coated.

In some cases to ease installation over smooth surfaces, a neat coat of the resin (without sand) on the surface to be coated, will aid the process with less surface resistance and prevent air pockets from forming.

Mix only one kit each time and mix amount to be used in the allotted time before it becomes difficult to apply when it must be discarded.

Curing:

Epoxy should be tack free in 2 to 4 hours. depending on ambient temperature. Cures in 24 hours at 70°F.

Packaging:

1 Kit contains 2 Gals. Epoxy binder and 50 pounds fine dry silica sand. Extra binder can purchased separately.

Compliance:

Bond: ASTM C-882, 1900 psi (dry) in 48 hours.

Compressive: ASTM D-695, 4500 psi @ 75° in 24 hours, 7000 psi in 7 days (neat)

Grout Mortar Cubes, 10,000 psi in 7 days

Tensile: ASTM -638, 2350 psi in 14 days

Flexural: ASTM D-790, 3000 psi in 14 days.

Water absorption: Less than 0.5%

Tack Free: 2-4 hours at 75° F

Coverage: 50/50 mortar: 1 Gal yields 61/2 Sq./Ft. @ 1/4 inch.

Yields are estimates. Your actual coverage may be slightly different.

Safety and Clean-up:

Keep away from fire hazards and ignition sources.

Do not smoke while handling.

Use eye and skin protection.

Avoid breathing fumes.

Use gloves and breathing chemical mask in well ventilated areas. Fumes can cause respiratory irritation.

Clean tools and equipment with Lacquer thinner or Acetone.

Dispose as solid waste following local and federal laws.

Keep away from children and pets.

Request a copy of product MSDS Data for additional information and safe handling available on line.


TECHNICAL DATA

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CONSTRUCTION PRODUCTS

Warranty:

When product is used according to directions; warranty is limited to the refund of the purchase price if deemed defective at manufacture. Products exceeding their shelf life are excluded from this warranty. Products are intended for industrial professional use by competent tradesmen with sufficient knowledge and experience on their use, installation and product suitability.

Builders Construction Products shall not be liable to the purchaser or any third party for labor costs, direct or indirect, any consequential damages related or due to the use, suitability or installation of this product.

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Do not dispose in drainage systems, lakes or bodies of water. Review MSDS for additional health information.

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