



# Epo-Mor Non-Sag

## 3 Part Epoxy Mortar

### (2 Part Epoxy + Aggregate Sand)

#### **Description:**

Solvent-free two part epoxy binder and selected dry Silica sand 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 30 + or - minutes on average for use. Heat will accelerate the set and cold weather will slow the setting time. Product will form a putty-like consistency using our DuraWeld 60 epoxy gel binder.

#### **Uses:**

Use as a repair mortar and also for machine pads. Also used as a chemical resistant floor patch, pitched overlays and vertical applications.

#### **Limitations:**

Apply over concrete at least 7-14 days old. Keep cool prior to mixing as 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. Cold temperatures will stop the thermosetting hardening process of all epoxy materials which can stop or hinder hardening making removal necessary.

Epoxy must be laid in a way to avoid creating air pockets. If material becomes hard it will not bond properly and must be removed and replaced. Assess uses in conditions prone to hydrostatic pressure that can exceed the materials ability to hold.

Do not stack fresh mortar so thick that it creates interior heat spots causing cracks. It is best to layer slowly which allows time to cure in place before stacking the next fresh layer.

#### **Installation:**

Only apply to a clean non-dusting substrate. Mix part A with Part B in equal proportions until color becomes completely uniform. Mix in 3 parts per volume of sand aggregate slowly until all is consolidated and without any lumps or bubbles. Spread by trowel or squeegee to 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 will aid the process by creating less surface resistance. Mix only one kit each time

and only mix the amount to be used in the allotted time before it becomes difficult to apply. Epoxy should be tack free in 2 to 4 hours depending on ambient temperature. Will cure (harden) in 24 hours.

#### **Packaging:**

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

#### **Compliance:**

Bond: ASTM C-882, Type III, Grade 3, Class B & C

1900 in 48 hours (dry), 1800 psi in 14 days (wet cured)

Compressive: ASTM D-695, 4500 psi in 24 hours, 6700 psi in 7 days. @ 75°

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

Final cure: 24 hours @ 70°F

Coverage: Up to 100 Sq./Ft. per gallon @ 15 mills, (depending surface profile)

#### **Safety and Clean-up:**

Keep away from fire hazards and ignition sources; do not smoke while handling. Use eye and skin protection and avoid breathing in fumes, use gloves and breathing NOSH chemical mask in well ventilated areas. Clean tools and equipment with Lacquer thinner or Acetone. Dispose as solid waste following local & federal laws. Request a copy of the product MSDS Data for additional safety information for safe handling of this material.


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.

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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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