

Epoxy

VERSACOLOR

Decorative Epoxy Floor Mortar System



General Properties:

- **VERSACOLOR** is three components, solvent free, heavy duty, decorative Epoxy flooring system.
- Filling particles are naturally colored selected aggregate to get the final texture (refer to color chart).

Uses:

As flooring mortar for concrete exposed to heavy mechanical wear traffic e.g., Factories, Hospitals, Stores, Industrial floor, Kitchens, Laboratories, etc. It can be applied within thickness from 4mm - 10mm

Substrate:

Required Properties of concrete floor needed to accept VERSACOLOR layer:

- Reinforced concrete or screed with stress not less than 20 kg/cm²
- The substrate must be sound, level, free of any cement peel.

Application:

Clean the substrate and remove all foreign materials, weak or separated layers in the substrate.

Primer:

1. Wear gloves & eye goggles, before application.
2. Apply the suitable primer that suits the substrate **EPICHOR 101P**, **EPICHOR 201P** or **EPICHOR MC** (depends on substrate).
3. Add the primer resin to the hardener in a suitable container and mix well.
4. Using a brush or woolen roller paint the substrate with the suitable primer.
5. Sprinkle silica sand (0.5 mm) over the applied primer before it sets (about 100 gm/m²) to create mechanical bond.
6. Clean tools using solvent ex.: Thinner.
7. Leave to cure for 24 hours.

Versacolor Body Coat:

1. Add the resin **Epichor 101A** to the hardener in a suitable container & mix well.
 2. Start adding the filling material gradually to the mixture with continuous stirring until reaching a homogeneous state.
- | | | | |
|------------------|---|------------------|------------|
| Resin + Hardener | : | Filling Material | |
| Ratio | : | (A - B) | by weight. |
3. The mortar is then spread uniformly all over the area by means of a trowel according to the required thickness within a period that should not exceed 20 min after mixing.
 4. Clean tools using solvent ex.: Thinner.
 5. Leave to cure for 24 hours.

Versacolor Clear Top Coat or partially pigmented epoxy:

1. Add the resin **Epichor 101A** to the hardener & mix well.
2. Using a rubber wipe, start grouting the applied mortar.
3. The next day, apply the topcoat by repeating step 1.
4. Clean tools using solvent ex.: Thinner.
5. Leave to cure for 24 hours.

Consumption for 4 mm Thickness / 1 m²:

- | | | | |
|---------------------------------------|---|-------------------------------------|-------------------------------------|
| ▪ Primer | : | 0.10 - 0.20 Kg / m ² | According to applied primer. |
| ▪ Versacolor Body Coat (3 comp.) | : | (R + H) = 1.00 Kg / m ² | Filling = 0.80 Kg / m ² |
| ▪ Versacolor Clear epoxy Epichor 101A | : | Grouting = 0.20 Kg / m ² | Top Coat = 0.20 Kg / m ² |

Technical Data:

Initial Curing Time	: After 24 hours of mixing.
Final Curing Time	: After 7 days at ambient temp.
Pot Life	: 20 min. at 25°C.
Bond Strength	: 6 N / mm ² to mild steel.
Flexural Strength	: 30 N / mm ²
Compressive Strength	: 60 N / mm ²
Impact Resistance	: D-3124F passes 16 ft / lbs with no cracking or loose of adhesion.
Chemical Resistance	: Excellent resistance against water, alkalis, inorganic acids, poor against ketones and glycolethers.
Shelf Life	: 12 months in closed containers away from direct sun light, heat and humidity.

Environment: - Boots, rubber gloves, dust masks, and safety goggles REF TO (MSDS)

For more information please contact our technical department

Head Office: 21 Takseem El Awkaf – EL Sawah Sq. Cairo – Egypt
 Tel: 002 / 02 24030678 - 24030679 Fax: 002 / 02 24038986
 Web site: www.yasmomiser.com E-mail: yasmo@yasmomiser.com