

EpoCrete 2000P

Pearlescent Epoxy



DESCRIPTION • *EpoCrete 2000P* is a two-component, solvent-free epoxy resin floor overlay system formulated of pure epoxy resin and special metallic pigments to provide a highly decorative finish with reflective optical properties, as well as a high impact and abrasion resistant surface.

EpoCrete 2000P is applied by trowel then allowed to self-levels to form a 1-2 mm thick smooth, glass-like surface with unique sparkling and varying color effects, but that is also easy to clean and maintain. Different colors of *EpoCrete 2000P* may be used on the same area to give a multi and interlocking color effect.

EpoCrete 2000P is available in a wide range of colors.

USES • *EpoCrete 2000P* is a decorative, heavy duty, and hygienic finish that is ideal for retail stores, offices, hotels, laboratories, schools, and warehouses. *EpoCrete 2000P* is suitable where a high build, heavy duty, chemically resistant and hard wearing coating is required.

ADVANTAGES

- ✓ Unique pearlescent and sparkling optical effect.
- ✓ Easy to apply by trowel.
- ✓ High impact resistance.
- ✓ Hard wearing and abrasion resistant.
- ✓ Low maintenance costs.
- ✓ Provides a hygienic, impervious finish.
- ✓ High chemical and oil resistance.
- ✓ Available in wide range of colors.
- ✓ Easy to clean.
- ✓ Solvent free.
- ✓ Glossy finish surface.

LIMITATIONS • Never apply to new concrete surfaces before they have been allowed to cure for a minimum of 28 days. Not intended for filling gaps or cracks. Not UV resistant, outdoor application or exposure to sun rays will lead to discoloration.

PHYSICAL PROPERTIES

Mixed Density	1.3 ± 0.05
Solids Volume	100%
Application Temperature	10°C to 40°C
Pot Life	1 hour at 20°C 40 minutes at 35°C
Dry Time at 25°C	90 min. to touch 7 hours to recoat
Full Cure	7 days at 20°C 5 days at 35°C

Shore D Hardness ASTM D 2240	60
Flash Point	Non-flammable

CHEMICAL RESISTANCE • Fully cured *EpoCrete 2000P* samples have been tested for chemical resistance to the following chemicals for 7 days @ 25°C:

• Gasoline	Excellent
• Petrol	Excellent
• Diesel	Excellent
• Engine Oil	Excellent
• Brake Fluid	Excellent
• Sod. Hydroxide (20%)	Excellent
• Sulfuric Acid 50%	Discoloration
• HCl 50%	Discoloration
• Acetic Acid 10%	Excellent
• Lactic Acid 10%	Excellent

COVERAGE • Application rate will vary according to surface conditions and profile, application technique and job conditions. Coverage rate of 1 sq m per liter at 1 mm is dominant.

SURFACE PREPARATION • All surfaces should be clean, dry and free from dust and other contaminants. Wet substrates should be sponge dried to remove all free surface water then dried. Treat oil or grease contamination with degreaser followed by water or steam cleaning.

New concrete floors: should be at least 28 days old and have a moisture content of less than 5%. The relative humidity at the surface should not be more than 25% as per BS8201:1981. Excessive laitance should be removed by mechanical methods. Dust and other debris should be removed by vacuum cleaning.

Old concrete floors: damaged areas or surface irregularities should be repaired using *MortCrete 3000*.

MIXING • The entire contents of the hardener container should be poured into the base container and the two materials mixed thoroughly for at least 3 minutes. Use a heavy-duty slow speed power drill with a jiffy mixing blade. Mix the two components in the quantities supplied taking care to ensure hardener container is scraped clean. Do not add solvent thinners at any time.

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APPLICATION • Priming is recommended for concrete surfaces by using *EpoPrime EP/EP1* or equivalent. *EpoCrete 2000P* must be applied while the primer surface is still tacky. *EpoCrete 2000P* may be applied by steel trowel, magic trowel, squeegee or a gauge rake. For optimal optical effect, apply by trowel in large sweeping strikes. Allow the material to set still in order to self level.

SEALING • No sealer is required, however, for additional protection a clear coat of *ElastoCrete 6500 Polyurethane Top Coat* might be applied. Allow the *EpoCrete 2000P* coat to set for at least 7 hours before sealing.

CLEANING • Tools and equipment must be cleaned with an organic solvent such as *SolvCrete 100*.

STORAGE & SHELF LIFE • Product should be stored at 25°C in dry conditions away from direct sun light. Shelf life is approximately 12 months from date of purchase in original unopened container at specified storage temperature.

SAFETY PRECAUTIONS • The application of material should be under good ventilation. Avoid inhalation of the vapors. Use goggles and vinyl gloves. In case of contact with eyes, rinse immediately with plenty of clean water, do not use solvent and seek medical attention immediately.

The product complies with environmental and occupational health & safety standards ISO 14001 and OHSAS 18001.

PACKAGING • 5 and 10 liter packs (includes base and hardener).

Creative Concrete Concepts

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