

TECHNICAL DATA SHEET

DESCRIPTION

UCE-012 is a uniquely versatile 2.5 : 1 epoxy coating system that balances working and cure time. ProPoxy is a clear two component thermosetting, low odor, 100% solids epoxy designed as a coating system for various conditions and substrates.

ADVANTAGES

- Good clarity and color retention
- Low viscosity - easy application and clean-up
- Low odor during application and curing
- Available in fast cure option
- Complies with VOC Regulations by the EPA for AIM Coatings

TYPICAL USES

- Laboratories
- Garages
- Pharmaceutical Plants
- Clean Rooms
- Manufacturing
- Hospitals
- Laundries
- Kennels
- Schools
- Commercial/Retail

CHECK THE TEMPERATURE AND HUMIDITY:

Floor temperature and materials should be between 55°F and 85°F. Humidity must be less than 80%. DO NOT coat unless floor temperature is more than five degrees over the dew point

STORAGE

Materials should be stored indoors between 60°F (16°C) and 90°F (32°C).

LIMITATIONS

This product is best suited for application in temperatures between 45°F and 90°F. Epoxy is light-sensitive to ambering over time, and requires a UV stable topcoat. Some light colors may require multiple coats for adequate hiding power. Certain colors appear white when scratched. Slight batch-to-batch color variations may occur. When ordering to match a previous color, inquire if the same batch number or quality control number is still available

MIXING INSTRUCTIONS

Application Equipment:

- Personal Protective Equipment (PPE) & clothing per SDS (Safety Data Sheet)
- Mixer Blade
- Clean Mixing Container
- Low Speed /High Torque Power Drill
- Shed-Resistant Roller Cover- 3/8" Nap
- Application Squeegee

APPLICATION

Surface Preparation is the most critical portion of any successful resinous flooring system application.

Work must be performed by trained or experienced contractors or maintenance personnel.

Mix ratio for is 2.5 parts Resin to 1 part Hardener by volume.

When field pigmentation, it should be added and mixed in homogenously to the resin prior to adding the hardener. When combining, be sure to add the hardener into the clean mixing container first. Then add the resin (clear or pigmented) scraping out the container. Always pour into the center of the mixing container.

INSTALLATION

The UCE-012 epoxy flooring system is normally applied as a three or four coat system. It involves the application of a primer coat, a body coat and one or more applications of polyurethane and/or polyaspartic topcoats.

For complete installation instructions contact your Ultraepoxy representative

PRELIMINARY FLOOR INSPECTIONS

CHECK THE CONCRETE: Concrete must be structurally sound and free of curing membrane, paint or other sealer. If you suspect that the concrete has been previously sealed, call Ultraepoxy technical support for further instructions.

*Note: Although testing is critical, it is not a guarantee against future problems. This is especially true if there is no vapor barrier or the vapor barrier is not functioning properly and/or you suspect you may have concrete contamination from oils, chemical spills or excessive salts.

SURFACE PREPARATION

This product requires preparation in order to perform as expected. Substrate must be mechanically profiled, clean, sound, and dry.

CAUTION

Avoid scratching or gouging the surface. All floor coatings will scratch if heavy or sharp objects are dragged across the surface. Do not drop heavy or pointed items on the floor as this may cause chipping or concrete pop-outs in the case of a weak substrate cap. Rubber tires can permanently stain the floor coating from plasticizer migration. In warehouse & industrial settings, the use of non-marking tires is highly recommended to prevent discoloration. Rubber burns from quick stops and starts can heat the coating to its softening temperature, causing permanent marking.

REPAIRS

Repair gouges or scratches or chip outs as soon as possible to prevent moisture or chemical contamination

DISPOSAL

Dispose in accordance with federal, state and local regulations.

CLEAN UP

Clean skin with soap and water. Tools and equipment should be cleaned with Xylene or Lacquer thinner. Consult MSDS for safety and health precautions.

SDS

PLEASE SEE SAFETY DATA SHEET (SDS) FOR SAFETY AND PRECAUTIONS. USE PRODUCT AS DIRECTED. KEEP OUT OF THE REACH OF CHILDREN

TECHNICAL DATA

Mix Ratio (by volume)	2.5 Parts Resin & 1 part Hardener
Viscosity at 70°F	480cps
Solids Content	100% by volume
Volatile Organic Compound	(VOC) nil
Weight per gallon	9.00-9.50 pounds per gallon, mixed
Gross @ 75°F	100-130
Coverage Rate	75-150 Sq.ft./Gal. depending on application method

DRY / CURE TIME

Pot life	30min @ 75°F
Dry to Touch	10-12 hours @ 75°F
Light Traffic	12 hours-14hours@ 75°F
Full cure & maximum resistance	5 days @ 75°F

PERFORMANCE PROPERTIES

Tensile Strength (ASTM D-638)	9,717psi
Adhesive Strength	942psi
Compressive Strength(ASTM D-695)	18,130psi
Tensile Strain at Break	3%

WARRANTY

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