

## ECS-11 Floor Coat and Decorative Epoxy

### Epoxy Floor Coating

#### **DESCRIPTION:**

ECS-11 Epoxy is a medium to long pot life two part epoxy that has been formulated specifically to fill two market niches:

#### **Decorative and Protective Coatings**

Decoupage for ornate wood objects- Clocks, Pictures, Tables, Ect. Good leveling, high gloss and light color combined with a longer pot life to make ECS-11 an excellent choice for the wood boat industry as well.

#### **Floor Coatings**

Gloss, Light Color, Very low tendency for blush, Good Light Stability and very good chemical resistance. This makes ECS-11 an excellent choice for light colored terrazzo, clear coat adhesives, and aggregate binders used around pools, decks and driveways.

#### **ADVANTAGES:**

- Bonds well to most Wood, Concrete, and Metal Surfaces
- Can be used with Color Chips or Sand for decorative and textured finish.
- Combines a balance of good water and chemical resistance with excellent physical properties.
- Low viscosity allows for addition of up to 6-7 parts by weight of clean sand as might be used for making toweling compounds and mortar mixes
- No VOC's.

#### **TYPICAL PHYSICAL PROPERTIES:**

					Pot Life (Min)
Product	Viscosity	Color	Mix Ratio A:B	WPG (lbs/gal)	@77F
ECS-11 Part A	500-700 cps	Light Straw	2:1	9.4	30-40
ECS-11 Part B	300-500 cps	Light Amber		8.6	

#### **WORKING TIME/CURING SCHEDULE:**

Time	State
4 Hr	Soft Semi Solid
8 Hr	Soft Solid-Dust Free
12 Hr	Firm Solid
24 Hr	Solid (Shore D-62)

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Recommendations for the use of this product are based on tests believed to be reliable. However, since the use of this product is beyond our control, no guarantee or warranty of any kind express or implied is made with respect to information presented and QCM Co. assumes no responsibility for the results of the use of this product and processes described.

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**ADHESIVES & COATINGS**  
High Performance Compounds For Industry

2 Day	Solid (Shore D-77)
3 Day	Solid (Shore D-81) Full Cure

- **Pot life time is reduced by 50% for every 18 °F increase in temperature.**
- **Cured properties based on 3/32" film.**

## **RECOMMENDATIONS:**

### DIRECTIONS/APPLICATION:

SURFACES SHOULD BE CLEAN, SOLID AND FREE FROM ALKALINITY. (pH of 5 to 7 approx.). SURFACES MAY BE DAMP, BUT SHOULD NOT BE WET. METALS SHOULD BE CLEANED OR BLASTED TO "BRIGHT" METAL. BEST RESULTS WILL BE OBTAINED AT SURFACE AND MATERIAL TEMPERATURES ABOVE 54 DEGREES F.

A) PREPARE THE CONCRETE: (see separate brochure).

B) MIX (2) PARTS OF PART A TO (1) PART OF PART B BY VOLUME WITH DRILL MOTOR OR PAINT STIRRER UNTIL THOROUGHLY MIXED. MIX ONLY ENOUGH MATERIALS AS TO BE ABLE TO USE WITHIN THE POT LIFE. IT IS ADVISABLE TO TRANSFER THE ORIGINAL MIX OF PART A/PART B TO A SECOND MIX CONTAINER AND THEN GIVE THIS A SECOND MIX - this ensures proper mixing. **CAUTION! DO NOT SCRAPE SIDES OF ORIGINAL MIX CONTAINER ONTO THE FLOOR** - this could be unmixed Part A or unmixed Part B and could cause non-cured wet spots on the finished floor.

THEN MIX WITH SAND OR NON-SKID AGGREGATE IF DESIRED. TYPICALLY USE 6 PARTS OF SAND TO 1 PART OF EPOXY MIX TO GET A GROUTING PASTE CONSISTENCY.

(Colored sand or aggregate can also be broadcast evenly over the epoxy while it is still wet to give a non-skid finish. Excess sand is later vacuumed away.)

C) POUR THE MIXED EPOXY ONTO THE FLOOR AREA TO BE COVERED **AS SOON AS IT HAS BEEN THOROUGHLY MIXED** - it gives more working time when spread in a thin layer. **REMEMBER**, POT LIFE IS GREATLY REDUCED WITH INCREASED TEMPERATURE; HALF AS LONG AT 90 DEGREES F, AS AT 72 DEGREES F. LARGER MIXES **ALSO** HAVE MUCH SHORTER POT LIFE.

TROWEL THE EPOXY PASTE TO A SMOOTH LEVEL COATING OF THE DESIRED THICKNESS - OR IF USING STRAIGHT EPOXY (no aggregate) SPREAD THE MIXED EPOXY LIQUIDS EVENLY TO AN EVEN COVERING USING A NOTCHED SQUEEGEE OF THE DESIRED THICKNESS RATING.

D) LEAVE THE EPOXY TO CURE FOR 8 TO 10 HOURS (@ 70 DEG. F) , BEFORE PUTTING ON SECOND COAT (IF REQUIRED). THIS EPOXY IS SELF PRIMING, BUT A THIN, INITIAL COAT OF STRAIGHT EPOXY CAN BE USED AS A PRIME COAT-SEALER.

**CLEAN-UP:** Toluene, MEK OR Blended Epoxy cleaning solvents.

**CAUTIONS:** Avoid contact with skin and eyes. In the event of contact, wash off skin with soap and water as soon as possible. Wash eyes thoroughly with water and consult a physician. See MSDS for further information .Do not allow product to freeze.

**SHELF LIFE:** One year guaranteed in unopened containers.

**PACKAGING:** Quarts, (1) Gallon Pails, (5) Gallon Pails and Drums.

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