

# MISCELA TERRAZZO/MOSAIC HYBRID FLOOR™

## 1.04 DELIVERY, STORAGE AND HANDLING

- A. Delivery of materials:
  1. Deliver materials in a manner to prevent damage to containers and/or bags.
- B. Storage of materials:
  1. Store materials in a clean, dry and heated (if necessary) location (50 -90 degrees Fahrenheit) furnished by others.

## 1.05 GUARANTEE

One year from date of substantial completion of Terrazzo installation.

## PART 2-PRODUCTS

### 2.01 MATERIALS

- A. Primer: As recommended by Epoxy Resin Supplier.
- B. Epoxy resin mixed according to manufacturers recommendation and tested without aggregate added. All specimens cured for 7 days at 75 degrees plus or minus 2 degrees Fahrenheit and 50% plus or minus 2 R.H. The product shall meet the following requirements:

PROPERTY	TEST METHOD	REQUIREMENT
HARDNESS	ASTM D-2240 using Shore D Durometer	60 -85
TENSILE STRENGTH	ASTM D-638 run at .2" min. Specimen made using çCé die listed in ASTM D-412	3,000 psi min.
COMPRESSIVE STRENGTH	ASTM D-695, Specimen B cylinder	10,000 psi min
CHEMICAL RESISTANCE	ASTM D-1308 -7 days at room temperature by immersion method have no deleterious effects.	
	The following contaminants used:	
	Distilled Water ..... 1% Soap Solution	
	Mineral Water ..... 10% Sodium Hydroxide	
	Isopropanol..... 10% Hydrochloric Acid	
	Ethanol ..... 30% Sulfuric Acid	
	.025 Detergent Solution .....5% Acetic Acid	

- C. Epoxy Resin mixed according to manufacturers recommendations and blended with 3 volumes of Georgia White marble blended 60% #1 chip and 40% #0 chip, ground and grouted with epoxy resin according to 3.02 C-2-Finishing to a nominal 1/4" thickness. All specimens cured 7 days at 75 degrees plus or minus 2 degrees Fahrenheit and 50% plus or minus 2% R.H. The finished epoxy terrazzo shall meet the following requirements:
  1. Flammability: When tested in accordance with ASTM-D-635, the Epoxy terrazzo shall comply with the following value:Self-extinguishing, extent of burning 0.25 inches maximum.
  2. Thermal Coefficient of Linear Expansion: when tested in accordance with ASTM-D-696, the Epoxy terrazzo will comply with the following value: 25 x 10-6 inches per inch per degrees to 140 degrees Fahrenheit maximum. Temperature range -12 degrees to 140 degrees Fahrenheit.
  3. Bond Strength: When tested in accordance with Field Test Method for surface soundness and adhesion as described in ACI Committee No. 403 Bulletin Title No. 59-43 (Pages 1139-1141) the Epoxy terrazzo shall comply with the following value: 100% concrete failure minimum, with 300 PSI minimum tensile strength.  
NOTE: THIS TEST IS INTENDED TO EVALUATE THE BOND TO THE CONCRETE SUBFLOOR. A 100% CONCRETE FAILURE INDICATES A GOOD BOND.
- D. Marble Chips:
  1. Size: To conform with NTMA gradation standards.  
NOTE: SEE PRODUCT INFORMATION.
  2. Abrasion and Impact resistance when testing in accordance with ASTM C 131-89 shall not exceed 40% loss.
  3. 24 Hour absorption rate not to exceed 0.75 percent.
  4. Chips shall contain no deleterious or foreign matter.
  5. Dust content less than 1% by weight.
- E. Strips:
  1. Stop and divider çL é strips \_\_\_\_\_gauge.  
(Select gauge white alloy of zinc or plastic. Consult with manufacturer of epoxy resin if brass strips are desired.)  
NOTE: SELECT GAUGE FROM FOLLOWING GAUGE 18, 16, OR 14 B & S GAUGE OR 1/8, 1/4 OR 3/8 INCH HEAVY TOP çL é OR çKé TYPE. 2. CONSTRUCTION JOINT DOUBLE çL é STRIPS, BACK TO BACK...16 GAUGE WHITE ALLOY OF ZINC MATERIAL.
- F. Terrazzo Cleaner:
  1. Ph factor between 7 and 10, where applicable.
  2. Biodegradable and phosphate free.
- G. Sealer:
  1. Ph factor between 7 and 10, where applicable.
  2. Shall not discolor or amber
  3. Flash point: ASTM D-56, 80 degrees Fahrenheit minimum, where applicable.
  4. U/L listed as çSlip Resistant.é

### 2.02 MIXES

- A. Terrazzo Selection:
  1. Type: \_\_\_\_\_