

Stunning solutions with *Ultratop*[®] Terrazzo System



DESCRIPTION

Ultratop Terrazzo System is designed for cementitious indoor terrazzo floors with large or fine exposed aggregate, using decorative marble, glass or recycled plastic chips. The cementitious topping used for this terrazzo system is *Ultratop* [NA]. It is a high-performance, self-curing, polished topping that is specially formulated for fast-track resurfacing of horizontal wear surfaces. *Ultratop* can be colored with liquid integral color to achieve the desired finish, even light colors, starting with the white or natural-gray base powder.

FEATURES AND BENEFITS

- *Ultratop* must be mixed with clean water only and liquid colors if requested.
- *Ultratop* can be extended with terrazzo marble, glass or recycled plastic chips, resulting in unlimited finished appearances.
- Quickly hardens within 2 to 3 hours, and polishable in as soon as 24 hours
- Available in natural gray and white
- For polishing guidelines, see the technical bulletin “Polishing *Ultratop*” in the Concrete Restoration Systems section of MAPEI’s Website.
- For surfaces with extremely large aggregates exposed, as with “palladiana” floors, contact MAPEI’s Technical Services Department at CRS@mapei.com.



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Use *Ultratop* Terrazzo System for polished cementitious floors in schools, airports, warehouses, retail, restaurants, lobbies and more.

The sustainability aspects of *Ultratop* Terrazzo System:

- Includes products with very low volatile organic compounds (VOCs) and that are compliant with South Coast Air Quality Management District (SCAQMD) Rule 1113 – Architectural Coatings.
- Features VOC emissions that conform to CDPH Standard Method (CA Section 01350) version 1.2-2017; the products that are in each system meet all of the necessary qualifications for SCS Global Services’ Indoor Advantage Gold certification.
- Can contribute to LEED’s Low-Emitting Materials credit; additional LEED credit contributions vary per product.



Technical Data for *Ultratop*

PRODUCT PERFORMANCE PROPERTIES

Laboratory Tests	Results
Compressive strength – ASTM C109 (CAN/CSA-A5) at 73°F (23°C) and 50% relative humidity	
1 day	> 2,500 psi (17.2 MPa)
7 days	> 4,400 psi (30.3 MPa)
28 days	> 6,000 psi (41.4 MPa)
Flexural strength – ASTM C348 (CAN/CSA-A23.2-8C) at 73°F (23°C) and 50% relative humidity	
28 days	> 1,000 psi (6.90 MPa)
VOCs (Rule #1168 of California’s SCAQMD)	0 g per L

Protect containers from freezing in transit and storage. Provide for heated storage on site and deliver all materials at least 24 hours before work begins.

SHELF LIFE AND PRODUCT CHARACTERISTICS before mixing

Shelf life	9 months when stored in original, unopened packaging in a dry, covered and well-ventilated place at 73°F (23°C)
Physical state	Powder
Color	Natural gray; white

APPLICATION PROPERTIES

Mixing ratio	3.15 to 3.50 U.S. qts. (2.98 to 3.31 L) of water per 50-lb. (22.7-kg) bag of powder
Density	About 131.1 lbs. per cu. ft. (2.10 kg per L)
Application temperature range	50°F to 90°F (10°C to 32°C)
Flowing time at 73°F (23°C)	10 minutes
Final set at 73°F (23°C)	< 100 minutes
Time required before installation of stains or coatings	24 hours



PACKAGING

Bag: 50 lbs. (22.7 kg)

APPROXIMATE COVERAGE*

per 50-lb. (22.7-kg) bag

Yield	0.44 cu. ft. (0.01 m ³)
Coverage at 3/8" (10 mm) thickness	14.1 sq. ft. (1.31 m ²)
Coverage at 1/2" (12 mm) thickness	10.6 sq. ft. (0.98 m ²)

* Coverage shown is for estimating purposes only. Actual jobsite coverage may vary according to substrate conditions and setting practices.

CSI DIVISION CLASSIFICATIONS

Terrazzo	09.66.00
Monolithic Terrazzo Flooring	09.66.13.16
Concrete Topping	03.53.00
Cast-in-Place Concrete	03.30.00