

TD.485 – TECHNICAL DATA: Performance for HERMETIC™ Color Quartz or Stout Floor

Revised: 3/16/2023 Version: 1.4

Description:

A fluid applied seamless resinous flooring system where colored quartz aggregate or natural silica quartz is broadcast into the resin or as a troweled mortar system, then top coated with either clear or pigmented resins.

The following products can be used as an aggregate binder for broadcast or trowel applied flooring systems: E100-Series epoxies and SPARTIC-ALL™ RM.

*Contact Technical Representative for appropriate resinous products.

Typical Uses:

- Classrooms
- Stairwells, hallways, and corridors
- Industrial / manufacturing facilities
- Laboratories and pharmaceutical plants
- Cafeterias
- Locker rooms and restrooms
- Interior pool decks

Key Features:

- Easy to maintain
- Chemical resistant
- Added durability for increased wear resistance
- Gloss, satin, and matte finishes
- Unlimited colors and designs
- Slip resistant / wet or dry surfaces
- Antimicrobial, seamless, and non-porous

<u>Property</u>	<u>Physical Properties</u> <u>Test Standard</u>	<u>Result</u>
Compressive strength	ASTM D695	9,500 - 18,000 psi
Tensile strength	ASTM D638	2,100 - 4,100 psi
Flexural strength	ASTM D790	4,500 - 6,300 psi
Concrete bond strength	ACI-403	350 psi substrate fails
Water absorption (2-hour boil)	ASTM D570	0.03%
Coefficient of friction	ASTM D2047	0.6 – 0.8
Indentation	Mil D3134 F	0.025 max
Impact resistance	Mil D3134 F	16 ft. lbs. Pass
Reaction to fire	EN 13501-1:2018	BFL – s1
Flame spread - NFPA 101	ASTM E84	Class A
Hardness: Shore D	ASTM D2240	75-83
CoE (thermal expansion)	ASTM D696	0.2 X 10 ⁶ TH
VOC		0% VOC