

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

Revised: 1/8/20

Product Name: HERMETIC™ Color Quartz or Stout Floor

Description:

A fluid applied in place, resinous, seamless flooring system where colored quartz aggregate or natural silica quartz is broadcasted or troweled into the resin. These flooring systems are top coated with either clear or pigmented resins.

The follow products can be used as aggregate binder for: E100-PT4™, E100-PT1™, E100-UV1™ or E100-VR1™ broadcast or trowel applied flooring systems.

Uses:

- Classrooms
- Bathrooms, foyers, and corridors
- Industrial and Pharmaceutical plants
- Laboratories
- Cafeterias
- Showrooms

Features:

- Easy to maintain
- Chemical resistant
- Superior wear for longevity
- Decorative

<u>Property</u>	<u>Physical Properties Test Standard</u>	<u>Result</u>
Compressive strength	ASTM D-695	9,500 - 18,000 psi
Tensile strength	ASTM D-638	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 D-570	0.03%
Slip resistance	ASTM F 609	0.5 minimum
Coefficient of friction	ASTM D 2047	0.5
Indentation	Mil D 3134 F	0.025 max
Impact resistance	Mil D 3134 F	16.5ft. lbs. Pass
Flammability	ASTM D 570	Self extinguishing
Flame spread - NFPA 101	ASTM E-84	Class A
Hardness: Shore D	ASTM D 2240	75-83
CoE (thermal expansion)	ASTM D 696	0.2 X 10 ⁶ TH
VOC		0% VOC

Mix Ratio: 2 to 1 volume for binder

Gel Time: ASTM C-881 15 to 25 minutes