

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

Revised: 1.18.16

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: E100-PT4™, E100-PT1™, E100-UV1™ or E100-VR1™ broadcast or trowel applied flooring systems.

USES:

- | | | |
|-----------------------|--------------|-------------------|
| Classrooms | Laboratories | Corridors |
| Bathrooms | Cafeterias | Industrial plants |
| Pharmaceutical plants | Showrooms | Foyers |

FEATURES:

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

Property	Physical Properties Test Standard	Result
Mix Ratio:		2 to 1 by volume for binder
Gel Time:	ASTM C-881	15-25 minutes
Colors:		as selected by the owners representative
Compressive strength	ASTM D-695	18,000 psi
Tensile strength	ASTM D-638	4,100 psi
Flexural strength	ASTM D790	6,300 psi
Concrete bond strength	ACI-403	350 psi substrate fails
Water absorption (2 hour boil)	ASTM D-570	0.03%
Surface resistivity	ASTM D 257	10 ^{6th} – 10 ^{9th} ohms all colors
(Meets ESD S20-20)	Dark gray	10 ^{6th} Ohm's
Static decay	Mil-STD 3010, Method 4046	0.01 Seconds
Static generation	ESD 97.2	<25 v
With dissipative footwear)	ESD 97.2	5v
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	74-80
CoE (thermal expansion)	ASTM D 696	0.2 X 10 ^{6TH}
VOC		0% VOC