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

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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> | Physical Properties <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 ^{6TH} |
| VOC | | 0% VOC |

The information herein is general information to assist our customers in determining whether our products are suitable for their specific applications. Our products are intended for sale to commercial and industrial customers. We require that customers should inspect and test our products before use to salisfy themselves as to the content and suitability for the applications they intend b use our products for. Nothing herein shall constitute any warranty expressed or implied, including any warranty of merchantability of fitness for a particular purpose, nor is any protection from any law or patent to be inferred. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for incidental or consequential damages.