



ACCELERA HC

DESCRIPTION

ACCELERA HC is part of the ACCELERA family of fast-track, seamless floor systems. ACCELERA HC is a 100% solids hybrid floor system consisting of a POLY-CRETE SL self-leveling cementitious urethane base coat with a decorative vinyl chip broadcast, an ACCELERA second broadcast of decorative vinyl chips, and two clear ACCELERA topcoats. ACCELERA HC is UV stable and offers excellent stain resistance.

BENEFITS

- Fast application and cure time reduces installation time and disruption to operations
- High moisture tolerance – can be installed on 7 day old concrete
- Color stable
- Low odor
- 0 VOC
- Excellent chemical and stain Resistance
- Excellent wear characteristics

LIMITATIONS

This product is best suited for application in temperatures between 60°F and 85°F and jobsite relative humidity is 30% or higher. Use ACCELERA LH resin for applications where jobsite relative humidity level is between 10% and 30% to ensure consistent working and cure times. Please refer to the ACCELERA HC Application Instructions for a complete list of limitations.

CHEMICAL RESISTANCE

This product is resistant to many common chemicals. Please refer to the master Chemical Resistance Chart on our website for actual resistance to specific chemicals/reagents.

TYPICAL USES

- Restaurants
- Grocery
- Healthcare
- Pharmaceutical Mfg
- Retail

COLORS

ACCELERA HC floor system is available in MACRO or MICRO decorative chips. The MACRO and MICRO chips are available in standard and custom multi-color pre-blends. Please refer to the MACRO and MICRO Chip Color Selector Chart.

PACKAGING & STORAGE CONDITIONS

POLY-CRETE SL is available in pre-measured kits that consist of resin, hardener and aggregate. ACCELERA is available in pre-measured kits. Each kit consists of resin, hardener and, where applicable, a pre-measured color pack. Kit coverage depends on the application - see spread rates below. A smaller, approximate 25 square foot kit is available for smaller areas and for top-coating cove. Shelf life is 12 months from ship date in the original unopened container. Vinyl chips are available in 10 lb. and 55 lb. boxes.

APPLICATION METHOD/SPREAD RATE

POLY-CRETE SL is applied to a properly prepared area at the required thickness using a “V” notched squeegee. The freshly placed material is then loop rolled into which the proper size colored chip blend is broadcast to excess to achieve the desired aesthetics. Allow a minimum of 6 hours for the Base Coat to cure before sweeping, sanding or vacuuming. A second chip broadcast is delivered into ACCELERA. ACCELERA is applied with a notched or 12” flat window squeegee followed by a cross roll using a 3/8” nap roller in accordance with the approximate spread rates as follows:

| | |
|---------------------------------|------------|
| Base Coat w/Broadcast: | 55 SF/Kit |
| 2 nd Broadcast Coat: | 65 SF/Kit |
| Grout Coat: | 65 SF/Kit |
| Topcoat: | 200 SF/Kit |

NOTE: Above rates calculated using the standard Large kit. (Spread rates are the same for both ACCELERA and ACCELERA LH.)

ACCELERA HC

PRODUCT PROPERTIES

| | |
|---|---|
| Weight Solids, % (Resin/Hardener/Powder) | 100% |
| Volatile Organic Compounds Content (VOC) | 0 g/L |
| Compressive Strength (ASTM C579) | 18,000 psi |
| Tensile Strength (ASTM D638) | 2,600 psi |
| Service Temperature | Up to 200 degrees F |
| Taber Abrasion Resistance (ASTM D4060) ASTM D 4060, 1000g load, 1000 cycles, CS-17 wheel | 27 mg |
| Coefficient of Friction (ASTM D2047) | 0.6 |
| Shore D Hardness (ASTM D2240) | 70 |
| Gloss (ASTM D523) 60° | 90 |
| Pot Life at 70°F, 50%RH | 7-10 minutes |
| Working Time at 70°F, 50%RH | 10 minutes |
| Re-coat Window at 70°F, 50%RH | 16 hours |
| Foot Traffic (per coat): 80°F, 50%RH (20%RH w/LH resin) 70°F, 50%RH (20%RH w/LH resin) 60°F, 50%RH (20%RH w/LH resin) | 1.5 – 2 hours 2 – 2.5 hours 2.5 – 3 hours |
| Full Service | 24 hours |
| Full Chemical Resistance | 7 days |

DRAWINGS AND DETAILS

Standard CAD drawings and details are available for coves, drains, breaches, transitions, etc. Please refer to the master Drawings and Details guide for actual drawings.

JOINT GUIDELINES

Refer to the Joint Guidelines on our website for complete details.

MOISTURE CONCERNS

Normal limits for moisture vapor transmission for ACCELERA HC floor systems are 20 lbs./1,000 sq. ft./24 hour using the calcium chloride test per ASTM F-1869 or 99% relative humidity using in-situ Relative Humidity Testing per ASTM F-2170. Please refer to the Floor Evaluation Guidelines at www.dur-a-flex.com for complete details.

CLEANING

This product is considered a low maintenance flooring solution, however, certain textures and service environments do require certain procedures. Please refer to the master Cleaning Guide on our website.

CAUTION

Follow the Hazardous Materials Identification System labeling guide for proper personal protective equipment to use when handling this product. Use only as directed. KEEP OUT OF REACH OF CHILDREN.

Before using any DUR-A-FLEX, Inc. product, be sure the Material Safety Data Sheet is read and understood.