

## **ACCELERA HC**

### **IMPORTANT REMINDER:**

### **USE PERSONAL PROTECTION EQUIPMENT AND VENTILATION!**



Use the required PPE for installing Accelera: Carbon Dusk Mask or respirator, safety glasses, long sleeve shirt, long pants, gloves, and work boots. Fresh, moving air is essential to a safe working environment when applying resinous flooring products.

### **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 a clear ACCELERA, ACCELERA LH, or ACCELERA EXT topcoat. ACCELERA HC is UV stable and offers excellent stain resistance.

### **BENEFITS**

- Fast application and cure time reduces installation time and disruption to operations
- Seamless design will not harbor bacteria growth
- High moisture tolerance – can be installed on 7 day old concrete
- Color stable
- Low odor
- 0 VOC
- CA 01350 Compliant
- 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. Use ACCELERA EXT if longer working times are required - Please refer to ACCELERA EXT Application Instructions for more information.

### **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, Earthstone, 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 a resin and hardener. ACCELERA kit coverage depends on the application - see spread rates below. The shelf life for ACCELERA (Standard, LH, and EXT) products - Gloss Finish Resins: 12 months, Satin Finish Resins: 6 months, and Hardeners: 6 months - from the date of manufacture in the original unopened container. Vinyl chips are available in 10 lb. and 40 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 ACCELERERA. ACCELERERA is applied with a 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
2nd Broadcast Coat:	65 SF/Kit
Grout Coat:	65 SF/Kit
OPTIONAL Topcoat:	200SF/Kit

NOTE: Above rates calculated using the standard Large kit. (Spread rates are the same for both ACCELERERA, ACCELERERA LH, or ACCELERERA EXT.) A smaller kit (=1/3 Large Kit) is available for smaller areas and for top-coating cove.

An optional topcoat of ACCELERERA resins may be applied at ~200 SF/Large kit for an Orange Peel Texture.

### **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 ACCELERERA 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](http://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.

## ACCELERA HC

### PRODUCT PROPERTIES

	Accelerera/ Accelerera LH	Accelerera EXT	Accelerera Satin
Weight Solids, % (Resin/Hardener/Aggregate)	100%	96%	96%
VOC	0 g/L	33 g/L	42 g/L
Compressive Strength (ASTM C-579)	12,500 psi	12,500 psi	12,500 psi
Tensile Strength (ASTM D-638)	3,700 psi	3,700 psi	3,700 psi
Service Temperature	Up to 200°F	Up to 200°F	Up to 200°F intermittent only
Taber Abrasion Resistance (ASTM D4060) ASTM D-4060, 1000g load, 1000 cycles, CS-17 wheel	27 mg	25 mg	22 mg
Static Coefficient of Friction (ASTM D-2047)	>0.6	>0.6	>0.6
Shore D Hardness (ASTM D-2240)	70	Film Hardness (ASTM D-4366), seconds, ultimate 90	Film Hardness (ASTM D-4366), seconds, ultimate Pendulum Hardness 50
Gloss (ASTM D-523) 60°	90	91	50-55
Pot Life at 70°F, 50% RH	7-10 min	10-15 min	7-10 min
Working Time at 70°F, 50% RH	10 min	15 min	10 min
Re-coat Window at 70°F, 50% RH	16 hours	16 hours	24 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	2.5 - 3 hours 3 - 4 hours 4 - 5 hours	2 - 2.5 hours 2.5 - 3 hours 3 - 4 hours
Full Service	24 hours	24 hours	24 hours
Full Chemical Resistance	7 days	7 days	7 days
Flame Spread Index (ASTM E-84)	Class B	Class B	Class B

#### IMPORTANT!

*Before using DUR-A-FLEX products, read and understand its accompanying Safety Data Sheet & Application Instructions for important safety information.*

STANDARD TERMS AND CONDITIONS OF SALE, INCLUDING STANDARD WARRANTY APPLY - VISIT [DUR-A-FLEX.COM](http://DUR-A-FLEX.COM) FOR THE LATEST VERSION