

## **ACCELERA HQ**

### **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 HQ is part of the ACCELERA family of fast-track, seamless floor systems. ACCELERA HQ is a 100% solids hybrid floor system consisting of POLY-CRETE SL self-leveling cementitious urethane base coat with a Q28 decorative quartz broadcast, a second ACCELERA Q28 decorative quartz broadcast, and a clear ACCELERA grout coat. (ACCELERA systems can be built with ACCELERA, ACCELERA LH, or ACCELERA EXT resins) ACCELERA HQ 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
- 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. If extended working times are required, use ACCELERA EXT. Please refer to the ACCELERA HQ 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
- Bathrooms
- Locker Rooms

### **COLORS**

ACCELERA HQ decorative quartz floor system is available in blended and colors. Color options are standard colors and custom color blends. Please refer to Q28 Quartz 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 and hardener. Standard Kit coverage rate depends on the application - see spread rates below. A small kit that is a 1/3 size of Large Kit is available for smaller areas and for top-coating cove. Refer to the Dur-A-Flex Color Charts for available quartz blends. 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.

### **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 quartz is broadcast to excess to achieve the desired aesthetics. Coverage is approximately 55 square feet. Allow a minimum of 6 hours for the Base Coat to cure before sweeping, sanding or vacuuming. A second quartz broadcast is delivered into ACCELERERA. ACCELERERA is applied with a 12” flat window squeegee followed by a cross roll using 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:	200 SF/Kit

NOTE: Above rates calculated using standard Large kit and Dur-A-Flex aggregates. (Spread rates are the same for both ACCELERERA and ACCELERERA LH, and ACCELERERA EXT.)

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 HQ 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 HQ

### PRODUCT PROPERTIES

	Accelera/Accelera LH	Accelera EXT	Accelera 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)	4,000 psi	4,000 psi	4,000 psi
Service Temperature	Up to 200°F	Up to 200°F	Up to 200°F Intermittent Only
Taber Abrasion Resistance (ASTM D-4060) 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