

ACCELERA HC

IMPORTANT REMINDER:

USE PERSONAL PROTECTION EQUIPMENT AND VENTILATION!



Use the required PPE for installing Accelera: Carbon Dust 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 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

	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)	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* (ANSI B101.1)	>0.6	>0.6	>0.6
Dynamic Coefficient of Friction - Wet* (ANSI A326.3)	>0.42	>0.42	>0.42
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

*Dur-A-Flex flooring systems can be built to meet or exceed the requirements of Static or Dynamic Coefficient of Friction testing per installation. Contact your Dur-A-Flex territory sales manager or tech representative for more information on alternative textures, grit/grip additives, or smooth coatings for your specific environment. A sample should always be obtained and tested prior to purchase for any non-slip flooring system.

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 FOR THE LATEST VERSION