

ACCELERA HB

DESCRIPTION

ACCELERA HB is part of the ACCELERA family of fast-track, seamless floor systems. ACCELERA HB is a 100% solids hybrid floor system consisting of POLY-CRETE SL self-leveling cementitious urethane base coat with a flintshot quartz broadcast, an ACCELERA pigmented second flintshot quartz broadcast, and a pigmented ACCELERA topcoat. ACCELERA HB 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. Please refer to the ACCELERA HB 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

Please refer to the Standard and ACCELERA Color Charts for more information.

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 a hardener. Kit coverage rate depends on the application - see spread rates below. Refer to the ACCELERA Brochure for available colors. 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 flintshot is broadcast to excess. 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 flintshot quartz broadcast is delivered into ACCELERA, ACCELERA LH, or ACCELERA EXT resin.

ACCELERA 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
Top Coat:	65 SF/Kit
OPTIONAL: 2nd Topcoat:	200 SF/Kit

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

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

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 HB 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.

<u>ACCELERA HB</u>		
<u>PRODUCT PROPERTIES</u>		
	Accelera/Accelera LH	Accelera EXT
Weight Solids, % (Resin/Hardener)	100%	96%
Volatile Organic Compounds Content (VOC)	0 g/L	33 g/L
Compressive Strength (ASTM C579)	18,000 psi	18,000 psi
Tensile Strength (ASTM D638)	2,600 psi	2,600 psi
Service Temperature	Up to 200 degrees F	Up to 200 degrees F
Taber Abrasion Resistance (ASTM D4060) ASTM D4060, 1000g load, 1000 cycles, CS-17 wheel	27 mg	25 mg
Coefficient of Friction (ASTM D-2047)	>0.6	>0.6
Shore D Hardness (ASTM D2240)	70	Film Hardness (ASTM D4366), seconds, ultimate 90
Gloss (ASTM D523) 60°	90	91
Pot Life at 70°F, 50% RH	7-10 min	10-15 min
Working Time at 70°F, 50% RH	10 min	15 min
Re-coat Window at 70°F, 50% RH	16 hours	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	2.5 - 3 hours 3 - 4 hours 4 - 5 hours
Full Service	24 hours	24 hours
Full Chemical Resistance	7 days	7 days

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