

ACCELERA

DESCRIPTION

ACCELERA is part of DUR-A-FLEX's family of fast-track, seamless floor systems. ACCELERA is a 100% solids, two-component proprietary blend of polymers featuring a fast-curing resin and hardener. ACCELERA is UV stable and offers excellent stain resistance.

BENEFITS

- Fast application and cure time reduces installation time and disruption to operations
- 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. Substrate must be clean, sound, and dry. Do not apply over epoxies cured with Fast hardener.

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 and ACCELERA LH resin and hardener are available clear and in 12 standard colors. Please refer to the ACCELERA Color Chart.

JOINT GUIDELINES

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

PACKAGING & STORAGE CONDITIONS

ACCELERA is available in pre-measured kits. Each kit consists of a resin and hardener. Kit coverage rate depends on the application - see spread rates below. A smaller kit is available for smaller areas and top-coating cove. The shelf life is hardener: 6 months; resin: 12 months - from the date of manufacture in the original unopened container.

APPLICATION METHOD/SPREAD RATE

ACCELERA is applied with a notched or 12" flat window squeegee followed by a cross roll using a 3/8" nap roller. See application instructions for complete details. (Spread rates are the same for both ACCELERA and ACCELERA LH.)

Typical Large kit spread rates:

Primer:	115 SF/ Kit
Quartz Broadcast Coats:	65 - 75 SF/Kit
Chip Broadcast Coat:	65 - 75 SF/Kit
Grout/Top Coat:	65 SF/Kit
2 nd Topcoat (opt.):	200 SF/Kit

Typical Small kit spread rates:

Primer:	38 SF/ Kit
Quartz Broadcast Coats:	22 - 25 SF/Kit
Chip Broadcast Coat:	22 - 25 SF/Kit
Grout/Top Coat:	22 SF/Kit
2 nd Topcoat (opt.):	67 SF/Kit

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.

MOISTURE CONCERNS

Normal limits for moisture vapor transmission for ACCELERA are 3 lbs./1,000 sq. ft./24 hour using the calcium chloride test per ASTM F-1869 or 75% 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 Cleaning Guide on our website.

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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 D-2047)	>0.6
Shore D Hardness (ASTM D2240)	70
Gloss (ASTM D523) 60°	90
Pot Life at 70°F, 50%RH	7-10 min
Working Time at 70°F,50%RH	10 min
Re-coat Window at 70°F,50%RH	16 hours
Foot Traffic (per coat): 80°F, 50%RH (20%RH w/LH resin)	1.5 – 2 hours
70°F, 50%RH (20%RH w/LH resin)	2 – 2.5 hours
60°F, 50%RH (20%RH w/LH resin)	2.5 – 3 hours
Full Service	24 hours
Full Chemical Resistance	7 days

CHEMICAL RESISTANCE

This data is based on the application of listed materials to the top surface of the flooring

Name	Conc.	Rating	Name	Conc.	Rating
Acetic Acid	10%	R	Methacrylate Monomer		R
Ammonia	30%	R	Mineral Spirits		R
Antifreeze		R	Motor Oil		R
Benzyl Alcohol	Photo	N	Mustard, yellow		R
Betadine		R	Nitric Acid	20%	N
Brake Fluid, DOT 3		RS	Peppermint Oil	100%	R
Chromic Acid	10%	RS	Phosphoric Acid	7%	R
Clorox	10%	R	Phosphoric Acid	25%	R
Coffee		R	Phosphoric Acid	85%	N
Cola	RT	R	PM Solvent		R
Eco-lab AC-3 Cleaner		RS	Potassium Hydroxide	45%	R
Ethanol	95%	R	Propylene Glycol		R
Hydraulic fluids		R	Skydrol		SS
Hydrochloric Acid	5%	R	Sodium Hydroxide	50%	R
Hydrochloric Acid	20%	R	Sodium Hypochlorite	5%	R
Hydrochloric Acid	37%	RS	Sodium Hypochlorite	15%	R
Hydrogen Peroxide	25%	RS	Spor-Klenz	0.30%	R
Hydrogen Peroxide (vaporized)	560ppm	R	Sulfuric Acid	10%	RS
Isopropanol		R	Sulfuric Acid	30%	RS
Jet Fuel		R	Transmission Oil		R
Lactic Acid	10%	RS	Water		R
Lactic Acid	30%	SS	Wine, cabernet sauvignon		R
Lactic Acid	88%	N	Xylene		R
MEK		R			

Key: **R** = Resistant/Recommended **N** = Not recommended for exposure to material due to coating degradation

RS = Resistant - will not degrade coating but will stain

S = Splashes and spills must be cleaned from surface within 24 hours to avoid coating degradation and staining

SS = Splashes and spills must be cleaned from surface within 24 hours to avoid coating degradation but it will leave stain

All data is based on room temperature exposure. Please check with the Dur-A-Flex Technical Department for elevated constant temperature or thermal shock exposure. Methodology - Samples were spot tested and checked after 1, 2, and 7 days

CAUTION Follow the Safety Data Sheet 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.