

## **ACCELERA EXT**

### **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 EXT is part of DUR-A-FLEX's family of fast-track, seamless floor systems. ACCELERA EXT is specially designed to provide a longer working time than regular ACCELERA to facilitate applications in larger areas. ACCELERA EXT is a two-component proprietary blend of polymers featuring a fast-curing resin and hardener. For coloring ACCELERA EXT resin is also available pre-pigmented. ACCELERA EXT is UV stable and offers excellent stain resistance. ACCELERA EXT may be used anywhere standard ACCELERA is specified.

### **BENEFITS**

- Fast application and cure time reduces installation time and disruption to operations
- Extended working time aids installation in large areas
- Color stable
- Low VOC, Low odor
- 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 between 30% and 65%. 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**

- Grocery
- Healthcare
- Pharmaceutical Mfg
- Retail

### **COLORS**

ACCELERA EXT resin is available clear or in pre-pigmented standard colors. Please refer to the Dur-A-Flex standard color chart or ACCELERA color chart.

### **JOINT GUIDELINES**

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

### **PACKAGING & STORAGE CONDITIONS**

ACCELERA EXT is available in pre-measured kits in three sizes: Small (=1/3 Large), Large, and Jumbo (=2X Large). Each kit consists of ACCELERA EXT resin and ACCELERA hardener. Kit coverage rate 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.

### **APPLICATION METHOD/SPREAD RATE**

ACCELERA EXT is applied in the same manner as standard ACCELERA with a notched or 12" flat window squeegee followed by a cross roll using a 3/8" nap roller. Follow application instructions for all standard ACCELERA systems for complete details.

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
2nd Topcoat (opt.):	200 SF/Kit

Note: Application less than 65 SF/Kit may result in bubbles.

### **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**

Please refer to the Floor Evaluation Guidelines in the Contractor's Center of our website for a step-by-step process to determine the condition of the concrete.

### **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.

## **ACCELERA EXT**

### **PRODUCT PROPERTIES**

Weight Solids, % (Resin/Hardener/Powder)	96%
Volatile Organic Compounds Content (VOC)	33 g/L
Compressive Strength (ASTM D-695)	18,000 psi
Tensile Strength (ASTM D-2370)	7,000 psi
Service Temperature	Up to 200°F
Taber Abrasion Resistance (ASTM D-4060) ASTM D-4060, 1000g load, 1000 cycles, CS-17 wheel	25 mg
Static Coefficient of Friction (ASTM D-2047)	>0.6
Film Hardness (ASTM D-4366), seconds, ultimate	90
Gloss (ASTM D-523) 60°	91
Pot Life at 70°F, 50% RH	10-15 min
Working Time at 70°F, 50% RH	15 min
Re-coat Window at 70°F, 50% RH	16 hours
Foot Traffic (per coat): 80°F, 50% RH 70°F, 50% RH 60°F 50% RH	2.5 - 3 hours 3 - 4 hours 4 - 5 hours
Full Service	24 hours
Full Chemical Resistance	7 days
Flame Spread Index (ASTM E-84)	Class B

## CHEMICAL RESISTANCE

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

Name	Conc.	Rating
Acetic Acid	10%	R
Ammonia	30%	R
Antifreeze		R
Benzyl Alcohol	Photo	N
Betadine		R
Brake Fluid, DOT 3		RS
Chromic Acid	10%	RS
Clorox	10%	R
Coffee		R
Cola	RT	R
Eco-lab AC-3 Cleaner		RS
Ethanol	95%	R
Hydraulic Fluids		R
Hydrochloric Acid	5%	R
Hydrochloric Acid	20%	R
Hydrochloric Acid	37%	RS
Hydrogen Peroxide	25%	RS
Hydrogen Peroxide (vaporized)	560 ppm	R
Isopropanol		R
Jet Fuel		R
Lactic Acid	10%	RS
Lactic Acid	30%	SS
Lactic Acid	88%	N
MEK		R

Name	Conc.	Rating
Methacrylate Monomer		R
Mineral Spirits		R
Motor Oil		R
Mustard, yellow		R
Nitric Acid	20%	N
Peppermint Oil	100%	R
Phosphoric Acid	7%	R
Phosphoric Acid	25%	R
Phosphoric Acid	85%	N
PM Solvent		R
Potassium Hydroxide	45%	R
Propylene Glycol		R
Skydrol		SS
Sodium Hydroxide	50%	R
Sodium Hypochlorite	5%	R
Sodium Hypochlorite	15%	R
Spor-Klenz	0.30%	R
Sulfuric Acid	10%	RS
Sulfuric Acid	30%	RS
Transmission Oil		R
Water		R
Wine, cabernet sauvignon		R
Xylene		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 the 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 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.

### 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