



EUCLID CHEMICAL

# DURALFLEX FASTPATCH

## LOW-MODULUS EPOXY REPAIR KIT

### DESCRIPTION

DURALFLEX FASTPATCH is a three-component, 100% solids, low-modulus, moisture insensitive, epoxy repair kit designed to provide a high strength, wear resistant surface to worn and damaged high-use floors. DURALFLEX FASTPATCH can be colored with EUCLID UNIVERSAL COLOR PACKS; available in 33 standard colors.

### PRIMARY APPLICATIONS

- Warehouse floors
- Loading docks
- Mechanical rooms
- Parking decks and ramps
- Food storage areas
- Bridge decks and nosings
- Runways

### FEATURES/BENEFITS

- No measuring of components
- Pre-measured resin, hardener and specially blended "non-dusting" aggregate
- Low modulus resin binder used for stress relief and resistance to impact
- Resistant to thermal and mechanical movements
- Rapid cure, minimizes down time
- May be applied as low as 40°F (4°C)
- 33 colors available using color packs

### TECHNICAL INFORMATION

**Material Properties @ 75°F (24°C)**

**Pot Life**, kit, minutes.....20 to 30

**Initial Cure**, 1/2" (13mm) thick, hrs.....3 to 4

**Tensile Strength**, ASTM D 638 psi (MPa)  
.....2,700 (18.6)

**Tensile Elongation**, %.....45

**Tensile Strength**, ASTM C 307 psi (MPa)  
.....1,250 (8.6)

**Flexural Strength**, ASTM C 580 psi (MPa)  
.....3,600 (24.8)

**Hardness**, Shore D, min. ASTM D 2240 .....85

**Water Absorption**, ASTM D 570 24 hrs %.....<0.5

**Thermal Compatibility** ASTM C 884.....passes

**Effective Shrinkage** ASTM C 883.....passes

#### Adhesion to Concrete

ACI Method 503R-30 .....concrete failure

**Compressive Strength**, psi (MPa), ASTM C 109  
(modified)

<u>Duration</u>	<u>75°F</u>	<u>40°F</u>
18 hours	7,000 (48.7)	4,000 (27.6)
3 days	9,400 (64.8)	6,800 (46.9)
7 days	9,800 (67.6)	8,000 (55.1)

**Appearance:** Neat DURALFLEX FASTPATCH resembles light brown sugar when applied on a concrete floor. DURALFLEX FASTPATCH can be colored using a EUCLID UNIVERSAL COLOR PACK, which is available in 33 standard colors.

### PACKAGING

DURALFLEX FASTPATCH is packaged in 0.4 ft<sup>3</sup> (.011 m<sup>3</sup>) kit consisting of premeasured components of Part A (Base), Part B (Hardener) and Part C (Aggregate) all contained in a 5 gal (18.7 L) bucket.

### SHELF LIFE

2 years in original, unopened package

### SPECIFICATIONS/COMPLIANCES

ASTM C 881 Type III, Grade 1, Class A & B

## COVERAGE/YIELD

One kit yields 0.4 ft<sup>3</sup> (.011 m<sup>3</sup>). Applied at 1/4" (6.3 mm) thickness, one kit will cover approximately 18 to 20 ft<sup>2</sup> (1.6 to 1.8 m<sup>2</sup>)

## DIRECTIONS FOR USE

**Surface Preparation:** Concrete surfaces must be structurally sound, free of loose or deteriorated concrete and free of dust, dirt, paint, efflorescence, oil and all other contaminants. Mechanically abrade the surface to achieve a surface profile equal to CSP 3 - 5 in accordance with ICRI Guideline 310.2. Any exposed steel must be cleaned to a "white" metal finish.

**Mixing:** Remove the contents from the DURALFLEX FASTPATCH kit. Premix can containing Part A (base) and Part B (hardener) separately. Pour the entire contents of Part A and Part B into the supplied pail. Mix thoroughly using a slow speed 1/2" drill and a "Jiffy" mixer. Mix for 3 minutes. Make sure to scrape the bottom and sides of mixing container while mixing. Do not whip air into the product while mixing. Gradually add the supplied aggregate to premixed epoxy and blend thoroughly. **BE SURE TO MIX THE EPOXY THOROUGHLY BEFORE ADDING THE AGGREGATE.**

**Application:** For best results, condition the DURALFLEX FASTPATCH to 75°F (24°C) for at least 24 hours prior to application. Apply epoxy repair kit immediately after mixing with a trowel or screed. Material should be scrubbed into a dry surface for best adhesion. Trowel the material against the edge and gradually work toward the center of the repair area. Immediately after the mortar has been placed, aggregate can be broadcast into the wet resin to provide a more textured finish. Minimum application thickness of DURALFLEX FASTPATCH is 1/4" (6 mm); the maximum thickness is 3" (7.62 cm).

**Euclid Universal Color Packs:** DURALFLEX FASTPATCH can be colored using 1 EUCLID UNIVERSAL COLOR PACK (EUCO Pack) per unit. Prior to mixing the unit together with aggregate, stir 1 **color pack** into the part "A" side of the product until it is fully dispersed. Proceed with mixing as stated above. EUCLID UNIVERSAL COLOR PACKS are available in 33 standard colors, see EUCLID UNIVERSAL COLOR CHART for available colors.

## CLEAN-UP

Clean tools and application equipment immediately after use with methyl ethyl ketone or acetone. Clean spills or drips while still wet with same solvent. Dried DURALFLEX FASTPATCH will require mechanical abrasion for removal.

## PRECAUTIONS/LIMITATIONS

- Store at temperatures between 50°F to 90°F (10 to 32°C).
- Do not apply at application temperatures below 40°F (4°C).
- The materials should be conditioned at 75°F (24°C) when used for low temperature applications.
- This material should not be exposed to water during initial cure.
- If the repaired area is to be exposed to severe chemical abuse, it should be top coated with a chemical resistant coating from Euclid Chemical.
- Do not aerate during mixing.
- In all cases, consult the Safety Data Sheet before use.

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