

HORIZONTAL REPAIR

Master Format #: 03 01 30.71



EUCLID CHEMICAL

DURALFLEX FASTPATCH

LOW MODULUS EPOXY REPAIR MORTAR KIT

PACKAGING

0.4 ft³ kit

Code: TD4330199NC

APPROXIMATE YIELD

0.4 ft³ kit: Contains premeasured components of Part A (Base), Part B (Hardener), and Part C (Aggregate) all contained in a 5 gal (18.7 L) bucket, yielding 0.4 ft³ (0.01 m³) when mixed.

MINIMUM/MAXIMUM APPLICATION THICKNESS

0.25 to 3 inches (0.6 to 7.6 cm)

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.

SHELF LIFE

2 years in original, unopened package

SPECIFICATIONS AND COMPLIANCES

- DURALFLEX FASTPATCH PART A & PART B: ASTM C881, Type III, Grade 1, Classes A & B

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.

PRODUCT CHARACTERISTICS

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
- Moisture insensitive
- No priming required
- Rapid cure, minimizes down time
- May be applied as low as 40 °F (4 °C)
- 33 colors available using color packs

PRIMARY APPLICATIONS

- Polymer concrete projects
- Warehouse floors
- Loading docks
- Mechanical rooms
- Parking decks and ramps
- Food storage areas
- Bridge decks and nosings
- Runways
- Airfield in-pavement lightning projects

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.

The following coverage rates are approximations based on yield of a 0.4 ft³ (0.01 m³) unit mixed at standard consistency.

Application Thickness	0.25 in (0.6 cm)	0.5 in (1.3 cm)	1.0 in (2.5 cm)	1.5 in (3.8 cm)	2.0 in (5.1 cm)	3.0 in (7.6 cm)
Coverage Area per Unit	19.2 ft ² (1.8 m ²)	9.6 ft ² (0.9 m ²)	4.8 ft ² (0.4 m ²)	3.2 ft ² (0.3 m ²)	2.4 ft ² (0.2 m ²)	1.6 ft ² (0.1 m ²)

19215 Redwood Road • Cleveland, OH 44110 • 800-321-7628

www.euclidchemical.com

TECHNICAL INFORMATION

The following are typical values obtained under laboratory conditions. Expect reasonable variation under field conditions.

Test Method	Test Property	Values																		
	Pot Life	20 to 30 minutes																		
	Initial Cure 1/2" (13 mm) thick	3 to 4 hours																		
ASTM D638	Tensile Strength	2,700 psi (18.6 MPa)																		
	Tensile Elongation	45%																		
ASTM C307	Tensile Strength	1,250 psi (8.6 MPa)																		
ASTM C580	Flexural Strength	3,600 psi (24.8 MPa)																		
ASTM D2240	Hardness Shore D	85																		
ASTM D570	Water Absorption	24 hours < 0.5%																		
ASTM C884	Thermal Compatibility	Passes																		
ASTM C883	Effective Shrinkage	Passes																		
ACI Method 503R-30	Adhesion to Concrete	concrete failure																		
ASTM C109M	Compressive Strength psi (MPa)	<table border="0"> <tr> <td>Duration</td> <td>75 °F</td> <td>40 °F</td> </tr> <tr> <td>4 hours</td> <td>1,400 (9.7)</td> <td></td> </tr> <tr> <td>6 hours</td> <td>4,000 (27.6)</td> <td></td> </tr> <tr> <td>18 hours</td> <td>7,000 (48.7)</td> <td>4,000 (27.6)</td> </tr> <tr> <td>3 days</td> <td>9,400 (64.8)</td> <td>6,800 (46.9)</td> </tr> <tr> <td>7 days</td> <td>9,800 (67.6)</td> <td>8,000 (55.1)</td> </tr> </table>	Duration	75 °F	40 °F	4 hours	1,400 (9.7)		6 hours	4,000 (27.6)		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)
Duration	75 °F	40 °F																		
4 hours	1,400 (9.7)																			
6 hours	4,000 (27.6)																			
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)																		

WARRANTY: The Euclid Chemical Company ("Euclid") solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. EUCLID MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid's installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid's products for the Buyer's intended purposes.

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 ½" 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" (7.6 cm).

Euclid Universal Color Packs: DURALFLEX FASTPATCH can be colored using 1 EUCLID UNIVERSAL COLOR PACK (EUCLID 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.

PRECAUTIONS/LIMITATIONS

- Store at temperatures between 50 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.

Rev. 02.24

WARRANTY: The Euclid Chemical Company ("Euclid") solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. EUCLID MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid's installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid's products for the Buyer's intended purposes.