

FLEX O PATCH

A SELF-LEVELING; THREE-COMPONENT MODIFIED ELASTOMERIC CONCRETE

DESCRIPTION

FLEX O PATCH is supplied in kit form as 100% solid, self leveling, three component, modified elastomeric compound developed in use with specially blend aggregates to repair potholes, bridge decks, driveways, parking decks PQC repair, etc. **FLEX O PATCH** has the unique ability to absorb energy from impact loads and disperse this energy throughout the header material; reducing cracking and spalling. It has an excellent adhesion to concrete. It provides excellent resistance to moisture and abrasion along with very good resistance to solvent, chemicals, and oxidation.

FEATURES

- Self Contained Kit
- No special equipment is required, can be mixed by 3/8 ii drill.
- Rapid Cure Time
- Excellent chemical resistance

BENEFITS

- Easy installation
- Reduced labor cost
- Resume traffic in 1hr time
- Good impact and resilience

APPLICATION

- Pothole/chuckhole spall-repair (30 mm min)
- Nosing material in expansion joints

LOCATIONS

- Bridges/Highways/Runways
- Parking Decks
- Roadways
- Commercial Structures
- Substrate – concrete

ADVANTAGES

- **Easy Installation:**
Larger unit size has better pour consistency, reduced mixing & installation time, decreased labor costs.

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- **Rapid Cure Time:**
FLEX O PATCH allows for those under strict time constraints to resume traffic within an hour of installation at 77°F.
- **Toughness:**
FLEX O PATCH is a modified urethane system which provides the material with tremendous physical properties allowing the Elastomeric concrete to detect under load without destroying its matrix.

SURFACE PREPARATION

NEW CONCRETE: New concrete should cure 80% of the design strength. Concrete should be minimum 14 days old. Sandblasting with medium grit sand is the preferred method of surface preparation. Mechanically grinding the surface is acceptable only when sandblasting is not possible. The surface should be prepared so as to add a pro le to the new concrete. New concrete should then be primed with SPECIAL PRIMER for FOP.

EXISTING CONCRETE: Existing concrete should be cleaned of all oils, greases, dirt, waxes, existing coatings, curing compounds, heavy laitance and sharp edges. Sandblasting with medium grit sand is the preferred method of surface preparation. Mechanically grinding the surface is acceptable only when sandblasting is not possible. The surface should be prepared so as to add a new pro le to the concrete.

PRIMING

Prior to mixing and placing the elastomeric concrete, prime the substrate(s) coming in contact with the elastomeric concrete. Both vertical and horizontal surfaces should be primed with our SPECIAL PRIMER RDL 942. The material should be applied using a paint brush and in a single coat.

MIXING

Kits contain 3 Kg. of PART A and 1.5 kg of PART B with a 5.5 Kg. part of Part C (E- Crete Aggregate.) Using a drill and spiral mixing paddle, pre-mix A & B components until uniform (approx. 60-90 seconds). Immediately remove contents from C and add to the above and continue mixing until no dry material appears.

Once mixed, the material can be poured into the block out/hole while the primer is still wet. The material is self-leveling. Trowel finish as desired.

For additional instructions see the "Installation Instructions for Elastomeric Concrete" data sheet.

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LIMITATIONS

Do not install below 35°F. Material is self leveling. Contact Chase for installation procedures on super elevations. Material should not be installed in wet environment/standing water. Elastomeric concrete must be structurally supported by concrete, steel or other material

AVAILABILITY

Kit Size – Total Kit of 10 Kg in which
Part A – 3.0 Kg
Part B – 1.5 kg
Part C – 5.5 Kg Aggregates

COLORS

After mixing -Concrete Gray (Mixed Specific Gravity of Flex Patch is 1.70)

Formula to calculate theoretical coverage –

No. of running meters of work will be conducted in 1 Kg material can be calculated by a formula:
 $588 / \text{Width} \times \text{Depth in mm}$

CLEAN UP

Use Xylene or Toluene as an Equipment cleaning solvent.

STORAGE

DO NOT ALLOW PRODUCT TO FREEZE. Store in a dry area at temperatures between 50°F and 95°F (10°C - 35°C), in the original unopened containers.

PRECAUTION

- Direct contact with the skin should be avoided. Protective clothing, goggles and gloves are recommended. In case of contact with eyes, wash immediately with water and report it to a doctor.
- FLEXOPATCH is moisture sensitive. Prime all surfaces prior to installation. Do not install product unless initial cure can be reached prior to rain fall.
- FLEX O PATCH Aggregate (Part C) is specially formulated and must be dry prior to mixing. Parts A & C must be pre-mixed first and then add part B.