

# TRAFEX

## MULTIPURPOSE EPOXY ADHESIVE FOR CAT'S EYE AND STUDDING



### DESCRIPTION

**TRAFEX** is a 100% solids, two component epoxy, designed as a moisture insensitive adhesive and binder for road markings and other application needs. This high modulus material provides moderate working time when bonding at temperatures above 40° F (4° C). It rapidly cures to a rigid, tough material having excellent characteristics suitable for roadway works.

### FEATURES & BENEFITS

- Excellent adhesive for road markings.
- For bonding together concrete asphalt, steel ceramic or wood material.
- Moisture insensitive for bond to dry or damp surfaces.
- Bonds concrete toppings to hardened concrete slabs.
- Forms a tough, wear-resistant coating for industrial floor slabs.
- Protects concrete substrates against chemical attack including most acids and caustic.
- Maybe extended with sand or aggregate for thick applications.

Not recommended on concrete with curing and sealing membranes and at base concrete at temperatures under 40° F (4° C).

### DIRECTION FOR USE:

#### Surface preparation:

New concrete must be a minimum of 28 days old and posses an open porous and textured surface with all curing compounds and sealers removed. Old concrete must be clean and well textured. All oil, dirt, debris, paint, and unsound concrete must be removed. The surface should be repaired mechanically using a scabblor, bush hammer, shotblast, scarifier or similar equipment, which will give a surface profile, commemerate to application. The final step in cleaning should be the complete removal of all residues with vacuum cleaner or pressure washer.

Acid etching is acceptable only when mechanical preparation is impractical. It is recommended that only contractors experience in the acid etching process use this means of surface preparation. The salt of the reaction must be thoroughly washed away. Allow the concrete to completely dry.

#### Note:

Even with proper procedures, an acid etched surface may not produce a bond as strong as produced by other preparation methods.

#### Mixing:

Thorough and complete mixing is essential. Pour quantity of part B (Black) into equal quantity of part A (White) and mix with a drill and jiffy mixer for one or two minutes. When mixing, the paddle should contact the inside surfaces of the can. Use circular up and down motions to achieve a uniform grey colour with no streaks

#### Note :

Mix only quantity that can be used in 5 minutes

#### APPLICATION:

Apply material by roller or squeegee in a uniform fashion. Do not allow the material to puddle. Extremely porous surfaces may require a second coat for proper ultimate performance. It can be extended with sand or aggregates for thick application

#### CLEAN-UP:

Tools and equipment may be cleaned with Cemtec Solvent, xylene or any other aromatic solvents.

#### SHELF LIFE:

Shelf life is 1 year from the date of manufacture if stored in original unopened packs under proper storage conditions.

#### TECHNICAL DATA:

TRAFEX complies to the specification of AASHTO M237 - 96

#### Typical engineering data

#### ASPHALT SURFACES:

Asphalt surface should be clean & free from any dirt, sand, oil or any other contaminants.

#### COMPRESSIVE STRENGTH :

ASTM C-109, 50mm cubes @230C.

Age	Strength
1 day	7,400 psi (58.0 Mpa)
3 days	9,400 psi (64.8 Mpa)
7 days	12,000 psi (82.8Mpa)

Gel time (ASTM C881) 8 min.

Bond strength per ASTM C882 3000 psi (20.7Mpa)

Durometer "D" scale per ASTM D2240 86+/-5

<b>COVERAGE</b>	Contact CMCI tech dept.
<b>PACKAGING</b>	Available in 1 gallon kits / 50 kgs kit
<b>COLOUR</b>	Available in Grey.

### SAFETY & HEALTH:

- Bring materials as close to 21<sup>0</sup>C. Store in room temperature environment 24 hours prior to use.
- Do not heat with open flames.
- Do not apply over freestanding water.
- Do not apply over hardened primer or old epoxy without proper surface preparation.
- Epoxy components may cause irritation. Avoid contact with eyes/skin by wearing gloves and safety goggles. If contact with eyes/ skin has occurred, then wash with plenty of water and seek medical advise immediately.

#### Quality Statement

CMCI manufactures its products at their manufacturing facility in Saudi Arabia as per the Quality Procedures certified to conform with quality Management System described in ISO 9000 series

CMCI provides a comprehensive technical support system for its full range of high performance construction products CMCI also offers full technical field support to consultants, Architects, contractors, applicators and End Users.

**"High Quality Construction Chemicals"**  
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The Technical Specification information and recommendations given are based on the current technical knowledge and the user or his representative is recommended to check the suitability of the product CMCI reserves the right to amend the technical characteristic of the product as part of ongoing research and development. As the work execution is beyond the direct and continuous control of CMCI no warranty and or responsibility is assumed on the performance of work completion executed with use of our products.