



CT-40 Do All Mortar™

Polymer modified concrete repair mortar with corrosion inhibitor

Repair Thickness

Featheredge to 1 ½ "

Set Time

20 minutes

Application Technique

Broom, Brush, Trowel

Where to Use

- Patch concrete and mortar
- Interior or exterior surfaces
- Horizontal, vertical or overhead
- Warehouse floors, bridges
- Beams, columns or balconies
- Full depth repairs when extended

Features

- Heavy duty—Over 4500 psi
- Corrosion inhibitor included
- Portland cement based
- One component—Just add water
- Shrinkage-compensated
- Polymer modified
- Custom colors available—
See TintCrete Patch

Packaging and Yield

50 lb heavy duty
polyethylene bag

0.43 cu ft

Product Description

CT-40 Do All Mortar is a 1 component, polymer modified, high performance concrete repair mortar. **CT-40 Do All Mortar** is simply mixed with water and applied from featheredge to 1 ½ " thick in one application. Apply horizontal, vertical or overhead. Product sets in 20 to 45 minutes and is ready for light traffic in 3 to 4 hours at 70° F.

CT-40 Do All Mortar is a special blend of cements, aggregates and exclusive

modifiers. Designed for general purpose and high-performance concrete repair applications. Not recommended as an overlay for large areas.

For Best Results

Apply to a clean, sound, saturated surface dry substrate above 40° F. Rub or scratch part of the mixed material onto surface just prior to application. Do not allow rub or scratch coat to dry before application. Check moisture content (mat test) prior to applying any waterproof topping. Do not retemper already mixed material.

Surface Preparation

Surface preparation is critical to achieve long lasting results. Existing concrete surface shall be clean, sound, and free of oil, grease, laitance, curing compounds, or any other foreign substance. Preparation by mechanical means, such as grinding or blasting, is preferred. Areas treated with product must be free of dust and any foreign matter prior to topping application. On highly porous substrates, contact the manufacturer for recommended application procedures.

Mixing Guidelines

Approximately 3 to 4 qts of water is required to mix 50 lb of product for patching applications. Partial units should be mixed at a ratio of approximately 4 ½ - 5 ½ parts powder to 1 part water. Do not mix more material than can be applied in approximately 10 minutes. Slowly mix material into minimum recommended amount of water and adjust water to desired consistency. Do not exceed maximum recommended water content. For applications exceeding 1 ½ ", extend product up to 40% with clean and dry 3/8" pea gravel.

Application

Rub or scratch part of the mixed material onto surface just prior to application. Apply with trowel within 10 minutes of mixing. Material will remain placeable for approximately 10 minutes and can be shaved or finished for an additional 10-30 minutes.

Curing

Rapid drying of cement-based products may cause cracking or de-bonding. Avoid applications in high winds, excessive heat or blowing air directly on freshly placed product. If you are placing concrete in these conditions, damp cure for 1 to 3 days, and consider using TRC, JE Tomes, to avoid surface crusting and cracking. Curing compounds, wet burlap or polyethylene will reduce rapid drying but may cause color change or mar product surface. Allow 3 to 4 hours for light traffic on horizontal repairs. Contact JE Tomes if you have any questions or concerns with your application.



CT-40 Do All Mortar™

Technical Data

Compressive strength, 28 day	Exceeds 5000 psi	ASTM C42
Compressive strength, 3 day	Exceeds 3000 psi	ASTM C42
Compressive strength, 1 day	Exceeds 1500 psi	ASTM C42
Flexural strength, 28 day	Exceeds 800 psi	ASTM C78
Freeze/thaw durability	Excellent	ASTM C666
Pull bond strength	Exceeds 150 psi	ACI 503 R
Drying shrinkage, 28 day	-0.009%	ASTM C596-01
Coefficient of thermal expansion	4.11×10^{-6}	ASTM C531-05
Modulus of elasticity	1.54×10^6	ASP C469-02
Color	Concrete gray	
Working time	15 to 30 minutes	

Reasonable variations for the above data can be expected depending on field conditions, surface preparation, curing, contractor expertise and evaluation and/or handling of test cylinders. Contact JE Tomes for additional details.

LIMITED WARRANTY

JE Tomes & Associates, Inc. warrants its products to be free from manufacturing defects and will deliver, at no charge, an equal amount of packaged product as that amount proven to be defective when applied in accordance with manufacturer's written directions by contractors experienced in this application, and used in applications recommended by the manufacturer as suitable for the product. All claims concerning product defects must be made within twelve (12) months of use of the product. THERE ARE NO OTHER WARRANTIES BY JE TOMES & ASSOCIATES, INC. OF ANY NATURE WHATSOEVER, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IN CONNECTION WITH PRODUCTS WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. Buyer's sole and exclusive remedy for breach of any warranty shall be replacement of defective product. JE Tomes & Associates, Inc. shall not be liable for any damages, including consequential damages, except as otherwise set forth therein.