

12/1/93

MASTER BUILDERS TECHNOLOGIES

3.15S

CEILCOTE F/T COROCRETE

NOTES TO THE SPECIFIER

1. This document has been prepared to assist specifiers in the preparation of specifications for ***CEILCOTE F/T COROCRETE***, a Master Builders Inc., CEILCOTE Corrosion Control Product.
2. This document was prepared as part of a complete specification for new construction or the renovation and upgrading of existing structures.
3. This specification defines the necessary practices for surface preparation and application of CEILCOTE F/T COROCRETE along with tolerances where applicable.
4. Application under this specification must be done in accordance with the standard installation procedures and related documents.
5. Questions regarding the selection, installation or intended end use of Master Builders Inc., CEILCOTE CORROSION CONTROL PRODUCTS should be directed to Master Builders, Inc.

GUIDELINE SPECIFICATION

CEILCOTE F/T COROCRETE

The specification information below is intended for use by architects, engineers or other specifiers in defining the criteria needed to specify this polymer fill and topping material.

1.0 GENERAL

1.1 SCOPE

This specification covers the surface preparation and application of CEILCOTE F/T COROCRETE Flooring as normally encountered in field installations.

Deviations from this specification due to unforeseen or unknown field conditions, must be authorized by Master Builders.

The contractor shall furnish all materials, tools, equipment, appliances, transportation, labor and supervision required during the preparation and installation process.

1.2 PRE-QUALIFICATION

Applicator of material must be approved by material manufacturer and have at least (5) years experience in the application of this or a similar system. Previous experience must be verified by (3) references having similar applications.

Contractor(s) seeking approval of substitute materials shall submit their request in writing to the specifier at least 7 days before closing of bids. Include samples; complete performance data; certification from independent testing laboratory regarding conformity with specifications and list of completed successful installations, with phone number of responsible person to contact, to enable accurate appraisal of the system. Bidders shall be notified of acceptable substitute polymer system by written addendum or amendment.

1.3 APPLICABLE STANDARDS AND TEST METHODS

Physical properties and test methods for CEILCOTE F/T COROCRETE FLOORING are listed in CEILCOTE F/T COROCRETE FLOORING TECHNICAL DATA SHEET AND INSTALLATION PROCEDURES.

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- .1 Other reference documents include: Ceilcote Standard Specification for Concrete to Receive Monolithic Linings and Toppings - CPT-1.

1.4 PROJECT/SITE CONDITIONS

- .1 For all application steps, the surface temperature, air temperature and material temperature should be between 50°F (10°C) and 110°F (43°C).

Do not apply if the relative humidity is more than 90% or the surface temperature is less than 5° above the dew point of the air in the working area.
- .2 Adequate ventilation and clean water supply required during installation.

2.0 PRODUCTS

2.1 ACCEPTABLE MANUFACTURER

- .1 Master Builders, Inc., 23700 Chagrin Boulevard, Cleveland, Ohio 44122-5554, 216/831-5500 or 1-800-628-9990.
- .2 Master Builders Technologies Ltd. 3637 Weston Road, Toronto, Ontario, Canada, M9L1W1, 416-741-3830.
- .3 Tecnocreto, S.A. de C.V., Blvd. M. Avila, Camacho #80, 3er Piso, 53390 Naucalpan, Mexico, Mexico 1-905-557-5544.

2.2 MATERIALS

- .1 Materials for CEILCOTE F/T COROCRETE include:
 - CEILCOTE F/T COROCRETE Primer and Hardener
 - CEILCOTE F/T COROCRETE Liquid and Hardener
 - Appropriate Filler (CEILCOTE F/T COROCRETE Aggregate)

3.0 EXECUTION

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3.1 INSPECTION

- .1 Before starting work, ensure environmental and site conditions are suitable for application and curing.
- .2 Inspect surface for acceptability.
- .3 Any and all deficiencies shall be reported in writing.

3.2 PREPARATION

- .1 Surface conditions to apply the CEILCOTE F/T COROCRETE Flooring system system requires the removal of dirt, oil, sealers, soft concrete, laitance and chemical contamination. Method to be used may include, but should not be limited to, abrasive blasting and/or mechanical abrasion.
- .2 For maximum bond strength dry concrete is preferred.
- .3 Concrete quality must be addressed before the CEILCOTE F/T COROCRETE can be applied. These conditions are air pockets, pinholes, tieholes, form burrs, honeycombs and cracks. Master Builders standards are to be used as guidelines for concrete repairs.

3.3 PROTECTION

- .1 Traffic Control - no individuals permitted in areas during application and until surface has cured, including protection after cure, against damage by others working in or over the area.
- .2 Compliance with OSHA, EPA, State and Local regulations or applicable agencies is mandatory when using these products.

3.4 INSTALLATION/APPLICATION

- .1 Primer shall be CEILCOTE F/T COROCRETE Primer. It shall be applied by brush or roller and not allowed to dry before CEILCOTE F/T COROCRETE installation.
- .2 Polymer fill or topping shall be a mixture of CEILCOTE F/T COROCRETE Liquid, Hardener No. 4C and CEILCOTE F/T COROCRETE Aggregate.

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3.4 INSTALLATION/APPLICATION - continued

Ingredients are to be mixed thoroughly and in sequence. Stir Hardener into CEILCOTE COROCRETE Liquid, pour contents into a paddle type mortar mixer, add aggregate and mix thoroughly until all dry pockets are wet out and no dust is rising from the mixture.

- .3 CEILCOTE F/T COROCRETE mixture is applied to a freshly wet primed surface, screed level to desired slope or thickness, and finished with a cement finishing trowel.

This system may also be power trowelled. If this is the method of application chosen, a topcoat is required.

- .4 Installation Procedures provides further details on procedures listed previously.

3.5 TESTING

- .1 During application random wet film thickness reading shall be taken. Target thickness shall be 1/4".

Master Builders, Inc.

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