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Legacy report on the 1997 Uniform Building Code™

DIVISION: 04—MASONRY
Section: 04060—Masonry Mortar

DIVISION: 09—FINISHES
Section: 09220—Portland Cement Plaster

R-CRETE R-MORTAR AID

R-CRETE, INC.
POST OFFICE BOX 80286
RANCHO SANTA MARGARITA, CALIFORNIA 92679

1.0 SUBJECT

R-Crete R-Mortar Aid M-2, M-4 and M-5; and R-Mortar Aid Plus M-4+.

2.0 DESCRIPTION

2.1 General:

R-Crete R-Mortar Aid and R-Mortar Aid Plus are dry admixtures, which replace lime in mortar and plaster mixes. Each bag of R-Mortar Aid M-2 contains 2 pounds (0.9 kg) of admixture. Each bag of R-Mortar Aid M-4 and R-Mortar Aid Plus M-4+ contains 4 pounds (1.8 kg) of admixture. Each bag of R-Mortar Aid M-5 contains 5 pounds (2.25 kg) of admixture. R-Mortar Aid products are also packaged in a double package—this equals two bags of R-Mortar Air. The admixtures have a three-year shelf life, when stored in dry conditions in their original containers.

2.2 Installation:

Mortar and plaster shall be proportioned in accordance with Table 1 of this report. The admixture is added to the mix water

prior to the addition of sand and cement. Water shall be clean and free of deleterious amounts of acids, alkalis, or organic materials. Sufficient water is added to achieve a workable, plastic mortar consistency. The mortar and plaster mixing time is 5 to 10 minutes.

Masonry and plaster construction shall be in accordance with Section 2104 and Chapter 25, respectively, of the 1997 Uniform Building Code™, except as noted in this report.

2.3 Mortar in Areas of Seismic Risk:

Mortars prepared in accordance with this report are permitted, as indicated below, in the following seismic zones as part of load-resisting systems:

- 1. Zones 0, 1 and 2: Types M, S and N.
2. Zones 3 and 4: Types M and S.

2.4 Identification:

The bags of admixture are labeled with the product name and the name and address of the manufacturer (R-Crete, Inc.).

3.0 EVIDENCE SUBMITTED

Data in accordance with the Acceptance Criteria for Mortar with Admixtures (AC87), dated January 1996.

4.0 FINDINGS

That the R-Crete R-Mortar Aid admixtures described in this report comply with the 1997 Uniform Building Code™ when used in accordance with this report, the code and the manufacturer's instructions.

This report is subject to re-examination in one year.

TABLE 1—MORTAR AND PLASTER MIX PROPORTIONS

Table with 4 columns: DESCRIPTION, NUMBER OF BAGS OF PORTLAND CEMENT¹ (94-pound bag), SAND² [cubic feet (pounds)], and NUMBER OF BAGS OF R-MORTAR AID³. Rows include Type M mortar, Type S mortar, Type N mortar, Plaster—first coat, and Plaster—second coat.

For SI: 1 lb. = 0.45 kg, 1 cubic foot = 0.0283 m³.
¹Portland cement shall be Type I or II complying with ASTM C 150-94.
²Sand shall comply with ASTM C 144-93.
³See Section 2.1 of this report for weight of admixture per bag.

