DIVISION: 04 00 00—MASONRY
SECTION: 04 05 13—MASONRY MORTARING
DIVISION: 09 00 00—FINISHES
SECTION: 09 24 00—PORTLAND CEMENT PLASTERING

REPORT HOLDER:

R-CRETE, INC.

EVALUATION SUBJECT:

R-CRETE R-MORTAR AID M-2, M-4 AND M-5; AND R-MORTAR AID PLUS M-4+

“2014 Recipient of Prestigious Western States Seismic Policy Council (WSSPC) Award in Excellence”

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DIVISION: 04—MASONRY
Section: 040513—Masonry Mortaring

DIVISION: 09—FINISHES
Section: 092400—Portland Cement Plaster

R-CRETE R-MORTAR AID

R-CRETE, INC.
POST OFFICE BOX 80286
RANCHO SANTA MARGARITA, CALIFORNIA 92688

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, alkalies, 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>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>NUMBER OF BAGS OF PORTLAND CEMENT¹ (94-pound bag)</th>
<th>SAND² [cubic feet (pounds)]</th>
<th>NUMBER OF BAGS OF R-MORTAR AID²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type M mortar</td>
<td>1</td>
<td>3 to 3 ¹/₂</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(240 to 280 lbs.)</td>
<td></td>
</tr>
<tr>
<td>Type S mortar</td>
<td>1</td>
<td>3 ¹/₂ to 4 ¹/₄</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(280 to 360 lbs.)</td>
<td></td>
</tr>
<tr>
<td>Type N mortar</td>
<td>1</td>
<td>4 ¹/₂ to 6</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(360 to 480 lbs.)</td>
<td></td>
</tr>
<tr>
<td>Plaster—first coat</td>
<td>1</td>
<td>3 ¹/₂ to 4 ¹/₄</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(280 to 360 lbs.)</td>
<td></td>
</tr>
<tr>
<td>Plaster—second coat</td>
<td>1</td>
<td>4 ¹/₂ to 6</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(360 to 480 lbs.)</td>
<td></td>
</tr>
</tbody>
</table>

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.