#14-163 Easy-Spred™ Mortar Additive

**PRODUCT**

Easy-Spred™ is a proprietary pozzolanic formulation that is used as a plasticizer in conjunction with Portland cement, aggregate and water to produce mortar, plaster or grout or as an admixture to enhance the performance of other cementitious materials. Easy-Spred™ is user friendly, nontoxic and safe to the skin.

**PERFORMANCE CHARACTERISTICS**

Mortars, plasters or grouts that contain Easy-Spred™ have the following characteristics:
- Exceptional workability and board-life
- High compressive and bond strength
- Less early stage drying and shrinkage of mortar and plaster
- Less efflorescence
- Superior pump-ability
- Less segregation
- More consistent color with etter disbursement when using pigment.

**BUILDING CODE EVALUATION REPORTS FOR EASY-SPRED™**

Easy-Spred™ is recognized as an acceptable lime alternate in masonry mortars by the following building code body evaluation services and regulatory agencies:
- ICC Legacy Report (ICBO) # 3759
- ICC Legacy Report (BOCA) #80-55.01
- ICC Legacy Report (SBCCI) #9419B
- City of Los Angeles Research Report #24375
- State of California Title 24 (Product Acceptance #PA-016).

**EASY-SPRED™ MORTAR MIX RATIO TABLE AND ADMIXTURE DOSAGE RATE**

When used as a plasticizer in conjunction with Portland cement and aggregate, the following table sets forth the mix ratios that will produce a mortar that complies with ASTM C-270 Mortar for Unit Masonry - Property Specifications:

<table>
<thead>
<tr>
<th>Mortar Type</th>
<th>Portland Cement (94 lb. bag)</th>
<th>Easy-Spred (7 lb. bag)</th>
<th>Aggregate (Cubic Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>O</td>
<td>1</td>
<td>2</td>
<td>9</td>
</tr>
<tr>
<td>N</td>
<td>1</td>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td>S</td>
<td>2</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>M</td>
<td>2</td>
<td>1/2 -1</td>
<td>6</td>
</tr>
</tbody>
</table>

When used as an admixture, use approximately 1/8 to 1/4 of a bag of Easy-Spred™ per bag of Portland, Portland-lime, masonry, mortar, plastic or stucco cement.

**MIXING INSTRUCTIONS**

The following mixing instructions are to be adhered to in order to achieve optimal field results:

1. Start mixer
2. Add most of mixing water (at least 2/3 of water)
3. Add Easy-Spred™ while mixer is running and mix for 1-1/2 minutes with water only.
4. Add cement, sand and remaining water in usual sequence
5. Mix until desired workability achieved (total mixing time 6-8 minutes)

**CERTIFICATION**

Easy-Spred™ is guaranteed, when shipped, to produce a mortar complying with the property specifications of ASTM C-270, “Mortar for Unit Masonry,” for mortar types N, S & M when mixed with appropriate proportions of Portland Cement (ASTM C 150) and masonry sand (ASTM C 144) as indicated on the bag. Portland Cement/Easy-Spred™ mortar meets UBC 21-14 mortar cement requirements and “Acceptance Criteria for Mortar with Admixtures (CLR).” Easy-Spred™ does not contain any deleterious materials including epoxy resins and derivatives, phenols, asbestos fibers and fireclays or corrosive substances such as calcium chloride.