3-Unit Citadel® Building Stone

Guidelines for Installation:

1. Two CIT23 units laid on top of each other will bond with one CIT52.
2. Vertical joints are generally formed with a combination of units. Maximum vertical joint is 9-9/16” = CIT36 + 1/2” mortar joint + CIT52.
3. Create a cross pattern with two different sized units. Always use CIT36s in a cross pattern. (Eg. CIT36 with CIT23, or CIT36 with CIT52.
4. Maximum 3 to 4 foot horizontal joint length depending on wall dimensions.
5. Minimum 4” overlap of vertical joints.
6. CIT36 units should form a staggered bonding line.

Avoid:

- Stepping or stringing together more than 2 - 3 units of the same height.
- Creating box patterns in the wall.

<table>
<thead>
<tr>
<th>Size</th>
<th>Percent</th>
<th>Pieces* per 32 sq. ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIT23</td>
<td>20</td>
<td>14</td>
</tr>
<tr>
<td>CIT36</td>
<td>40</td>
<td>18</td>
</tr>
<tr>
<td>CIT52</td>
<td>40</td>
<td>14</td>
</tr>
</tbody>
</table>

*One piece equals 2 lineal feet and may be comprised of 2 or more pieces.
General Installation Guidelines

- Arriscraft recommends the use of a Portland cement-lime mortar, proportioned to a 1:1:6 ratio.
- Masonry units should be laid with full head and bed joints except where they are used for weep holes or ventilation.
- Bevel mortar from rear face to prevent protrusion into cavity.
- Prevent excessive mortar droppings by cutting off excess mortar with trowel as the units are laid.
- Butter head joints of unit being placed in wall.
- Place unit to tightly compress mortar.
- Do not re-adjust unit once it has been set in place.
- Tool joints when mortar is thumbprint hard. This timing will depend on the mortar properties and weather conditions.
- Tool joints to a tightly compressed surface to achieve the most weather resistance. Concave tooled joints provide the best resistance to moisture penetration.
- After tooling, any excess mortar and dust should be brushed from the masonry surface using a soft bristle brush. Avoid rubbing or pressing the mortar into the units.
- Refer to additional guidelines on the BASIC CARE sheet.

Joint Profile:

- Concave
- Recessed
- Bagged

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