**PRODUCT DESCRIPTION**

Utility Sand is produced from high-purity industrial quartz for a use in a wide variety of applications that require a chemically inert, durable structural filler such as floor overlays, finish coat stucco, and sports turf. With consistently uniform grain shapes and particle distribution, this basic building material offers excellent compaction, placement, and mechanical properties. The high silica content is combined with low level soluble ions, alkalis, and alkaline oxides to provide non-reactive service in most corrosive and exposed environments.

**WHEN/WHERE TO USE**

- Mineral filler used in high-solids emulsions, elastomerics, cemented, and modified cementious systems
- Commercial and residential uses

**ADVANTAGES**

- Excellent compaction, placement, and mechanical properties
- Non-reactive in most corrosive and exposed environments
- Cost effective
- High strength and durable
- Monocrystalline structure
- 100% natural minerals

**AVAILABLE SIZE**

- 50 lb. (22.7 kg) bag (BOM #105764)

**TYPICAL YIELD**

One 50 lb. bag contains approximately 0.5 cu. ft.

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**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Typical Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grain Shape</td>
</tr>
<tr>
<td>Hardness</td>
</tr>
<tr>
<td>Moisture Content</td>
</tr>
<tr>
<td>Specific Gravity</td>
</tr>
<tr>
<td>Bulk Density, aerated</td>
</tr>
<tr>
<td>Bulk Density, compacted</td>
</tr>
</tbody>
</table>

**MIXING**

Refer to the mix designs chart for typical proportions by volume per appropriate application.

**Typical Mix Designs by Volume**

<table>
<thead>
<tr>
<th>Concrete Mix</th>
<th>Portland Cement</th>
<th>General Purpose Sand (ASTM-C33)</th>
<th>Gravel or Stone (ASTM C-33)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mortar Mix (Type S, ASTM C-270)</td>
<td>Portland Cement</td>
<td>Hydrated Lime Type S</td>
<td>Masonry Sand (ASTM C-144)</td>
</tr>
<tr>
<td>1 Part</td>
<td>1 Part</td>
<td>¾ Part</td>
<td>3¼-4¼ Parts</td>
</tr>
</tbody>
</table>

Add the minimum amount of clean water necessary. Too much water will weaken the product. Mix until uniform, workable consistency is reached.

**APPLICATION**

Read all directions before starting work.

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**IMPORTANT NOTES**

- Gloves and goggles are recommended safety equipment
- Use only clean mixing container and tools
- Store in tightly closed container off the floor in a dry place

Proper application and installation of all TCC products are the responsibility of the end user.

**WARNING**

Always read the product SDS and cautionary statements on product container prior to application. Wear proper protective gear as advised on the label and/or SDS. Wash hands thoroughly with warm, soapy water after handling or before eating. Do not take internally. KEEP OUT OF REACH OF CHILDREN.

**WARRANTY**

Seller warrants that its product will conform to and perform in accordance with the product specifications. The foregoing warranty is in lieu of all other warranties, expressed or implied, including, but not limited to those concerning merchantability and fitness for a particular purpose. Because of the difficulty in ascertaining and measuring damages hereunder, it is agreed that, Seller’s liability to the Buyer shall not exceed the total amount billed and billable to the Buyer for the product hereunder.

**ENVIRONMENTAL ADVISORY**

Uncured or crushed cured cement is an environmental hazard, which may adversely affect fish and wildlife. Dispose of construction debris containing cement, including empty bags, at a permitted municipal disposal firm. Do not use crushed concrete as a fill near an aquatic habitat.