



MULTI-PURPOSE UTILITY SAND

Multi-use quartz sand

1. PRODUCT NAME

Tech-Mix® Multi-Purpose Utility Sand

2. MANUFACTURER

Bluestone Products™, a TCC Materials® company
2025 Centre Pointe Blvd., Suite 300
Mendota Heights, MN 55120 USA
Phone: 1.651.688.9116
Web: tccmaterials.com

3. PRODUCT DESCRIPTION

Tech-Mix Multi-Purpose 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.

Features and Benefits

- 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

When/Where to Use

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

4. TECHNICAL DATA

| Typical Values • Tech-Mix Multi-Purpose Utility Sand | | |
|--|-----------------------------|------------|
| Grain Shape | Rounded | Visual |
| Hardness | 7.0 Mohs | Mohs Scale |
| Moisture Content | < 0.1% | ASTM C-566 |
| Specific Gravity | 2.65 g/cm ³ | ASTM C-128 |
| Bulk Density, Aerated | 92 - 95 lb/ft ³ | ASTM C-29 |
| Bulk Density, compacted | 98 - 100 lb/ft ³ | ASTM C-29 |

Available Size

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

Coverage

- Each 50 lb. bag contains approximately 0.5 cu. ft.

5. INSTALLATION

Preparation

Read all directions before starting work.

Note: It is the responsibility of the installer/applicator to ensure the suitability of the product for its intended use.

Mixing

1. Refer to the mix designs chart for typical proportions by volume per appropriate application.
2. Add the minimum amount of clean water necessary. Too much water will weaken the product. Mix until uniform, workable consistency is reached.

| Typical Mix Designs by Volume | | |
|---------------------------------|----------------------------------|-----------------------------|
| Concrete Mix | | |
| Portland Cement | General Purpose Sand (ASTM C-33) | Gravel or Stone (ASTM C-33) |
| 1 Part | 2 Parts | 3 Parts |
| Mortar Mix (Type S, ASTM C-270) | | |
| Portland Cement | Hydrated Lime Type S | Masonry Sand (ASTM C-144) |
| 1 Part | ½ Part | 3½ - 4½ Parts |

Clean Up

Use soapy water to clean hands and tools after use. Sweep or vacuum spilled material, avoid creating dust.

Limitations

- Follow all industry standard safety procedures when handling, such as gloves and eye protection
- Use only clean mixing containers and tools

Safety

READ THE SAFETY DATA SHEET (SDS) BEFORE USING THIS PRODUCT. SDS information is available on our website: tccmaterials.com

Cautions

Read complete cautionary information printed on product container prior to use.

This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about and guidelines for the proper use and application of the covered Tech-Mix brand product(s) under normal environmental and working conditions. Because each project is different, TCC Materials cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

6. AVAILABILITY

To locate Tech-Mix products in your area, please contact:
Phone: 1.651.688.9116
Email: info@tccmaterials.com

7. 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.

| | |
|---------------------------|--|
| Storage Conditions | Store dry, out of direct sunlight, and off the floor |
| Color | Tan |

WARNING: INJURIOUS TO EYES

KEEP OUT OF REACH OF CHILDREN

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