Thick Bed Bedding Mortar

1. **Product Name**

   Thick Bed Bedding Mortar

2. **Product Description**

   Pre-blended, 3:1 mix ratio underlayment specifically designed to float a mortar bed for ceramic and natural stone tile. Eliminates need for site mixing of sand and cement.

   Key Features

   - Pre-blended; no job-site blending required
   - Easy to mix and use

   Suitable Substrates

   - Interior or exterior floors
   - Concrete, masonry
   - Gypsum wallboard (interior dry areas)
   - Exterior Grade Plywood (interior dry areas)

   Limitations to the Product

   - Do not apply directly over wood, metal, fiberglass, plastic and OSB panels lightweight concrete, gypsum underlayment, OSB, particle board, hardwood or Parquet floors.

   Packaging

   - 50 lb (22.68 kg) bags

3. **Technical Data**

   Applicable Standards

   American National Standards Institute (ANSI) ANSI A108.1 of the American National Standards for the Installation of Ceramic Tile ASTM International (ASTM)

   - ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in.or [50-mm] Cube Specimens)
   - ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester

   Resilient Floor Covering Institute (RFCI) Recommended Work Practices for Removal of Resilient Floor Coverings

   Tile Council of North America (TCNA) TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171

   Environmental Consideration

   Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

   - Up to 2 points towards MR Credit 5, Regional Materials

4. **Instructions**

   General Surface Prep

   USE CHEMICAL-RESISTANT GLOVES, such as nitrile, when handling product.

   Surfaces must be structurally sound, clean, dry and free from grease, oil, dirt, curing compounds, sealers, adhesives or any other contaminant that would prevent a good bond. Glossy or painted surfaces must be sanded, stripped and cleaned of waxes, dirt or any contaminants. Concrete must be cured 28 days and accept water penetration. Concrete must be free of efflorescence and not subject to hydrostatic pressure. Concrete slabs should have a broomed or brushed finish to enhance the bond. Plywood flooring including those under resilient flooring must be structurally sound and meet all ANSI and deflection requirements. For questions about proper subfloor installation, call Technical Services. Smooth concrete surfaces, existing glazed tile, terrazzo, or polished stone should be roughened or scarified. Sheet vinyl must be well-bonded and stripped of old finish. Roughen the surface by sanding or scarifying, rinse and allow to dry. Expansion joints should never be bridged with setting material. Do not sand flooring materials containing asbestos. Ambient temperature, surfaces and materials should be maintained at a temperature above 50° F (10° C) or below 100° F (38° C) for 72 hours.

   Application Over Plywood Substrates

   Do not apply directly to plywood. Use vapor barrier and metal lath. Plywood floors, including those under resilient flooring, must be built to industry standards. Deflection should not exceed L/360. For questions about proper subfloor installation, call Technical Services.

   Movement Joint Placement

   Expansion joints and cold joints, as described in ANSI A108.01, should never be bridged with setting material. They must be brought through the tile work and filled with an appropriate elastomeric sealant, such as Custom's® 100% Silicone. Contact Custom's® Technical Services for the proper treatment of control or saw cut joints. Refer to TCNA EJ171, F125 and F125A.

   Mixing Ratios

   Mix with 2.4 L (2-1/2 quarts) of cool clean water or, for added strength, mix with 1.2 L (1 1/4 quarts) Thin-Set Mortar Admix and 1.2 L (1-1/4 quarts) of cool, clean water and 22.68 kg (50 lbs) powder together to a semi-damp, dry-pack consistency.

   Application of Product

   Refer to ANSI A108.1 A, B, or C for installation methods.

   Curing of Product

   Curing time is affected by ambient and surface temperatures and humidity. Use the following as a guideline. Allow 24 hours before grouting and light traffic, and 7-10 days before heavy or vehicular traffic. Before exposure to heavy or vehicular traffic, assure assembly is rated €œHeavy or Extra Heavy€ per TCNA Service

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Thick Bed Bedding Mortar

Requirements. As necessary, use plywood or other load distributing protection when moving heavy equipment across tiled assembly.

Cleaning of Equipment
Clean with water before material dries.

Storage
Store in a cool, dry area.

Health Precautions
This product contains Portland cement and free silica. Avoid eye contact or prolonged contact with skin. Wash thoroughly after handling. If eye contact occurs, flush with water for 15 minutes and consult a physician. Do not breathe dust; wear a NIOSH approved respirator. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.

Conformance to Building Codes
Installation must comply with the requirements of all applicable local, state and federal code jurisdictions.

5. Size & Availability

Location	Item Code	Size	Package
Canada	CTBBM50	50 lb (22.68 kg)	Bag

6. Product Warranty

Obtain the applicable **LIMITED PRODUCT WARRANTY** at www.custombuildingproducts.com/product-warranty or send a written request to Custom Building Products, Inc., Five Concourse Parkway, Atlanta, GA 30328, USA. Manufactured under the authority of Custom Building Products, Inc. © 2017 Quikrete International, Inc.

7. Product Maintenance

Properly installed product requires no special maintenance.

8. Technical Services Information

For technical assistance, contact Custom® Building Products.

9. Filing System

Additional product information is available from the manufacturer upon request.

Related Products
VersaBond® Professional Tile Mortar
Polyblend®Plus Sanded Grout

Coverage Chart

SQUARE FOOT COVERAGE PER 50 LB BAG (SQUARE METER PER 22.68 KG)

Thickness	Min Coverage	Max Coverage
1/2" (13mm)	9 ft² (0.8 m²)	11 ft² (1 m²)
1" (25mm)	4.5 ft² (0.4 m²)	5.5 ft² (0.5 m²)

Chart for estimating purposes. Coverage may vary based on installation practices and jobsite conditions. For questions, contact CUSTOM Technical Services at 800-282-8786.

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