



55% Post-Consumer Recycled Content

BELTER THERM

Technical Data Sheet

PRODUCT DESCRIPTION

Belter Therm is an insulative lightweight fill product that utilizes 55% post-industrial recycled content and fire retardant foam to create a strong, lightweight, and highly insulative fill. Its lightweight allows for easy handling and is excellent for use as a strong base around heating pipes and any area where insulation is needed.

PRODUCT USE

Belter Therm is particularly suitable as a leveling screed; especially in refurbishment of buildings, heated floor assemblies and sloped roof toppings. The low weight and good thermal insulating properties fully satisfy static requirements, providing structural leveling while minimizing insulation material thicknesses.

LEED

Belter Tech prides itself on sustainability, therefore Belter Therm contains post-consumer recycled content is all mineral based. LEED documentation can be obtained from Beltertech.com

YIELD

A 36 lb bag yields approximately 1.02 ft³

BENEFITS

- Weight per cubic foot- 31 lbs Dry
- Exceptional Thermal Insulating
- Stable, very light spherical grain
- Good pourability
- Slump ranges 8-9 inches
- Superior Fire Suppression Tested to ASTM E11
- Meets ASTM E136 non-combustible
- Not a host for pests or rodents
- Does not provide a bed for mold growth
- Contaminant-free, odorless, anti-allergen
- Tested and recommended by the Institute of Building Biology + Sustainability
- Long-term stable, no material fatigue

BAG SIZES
Available in 36 pound multiwall paper bags with moisture barrier.



THICKNESS	COVERAGE (SQ FT)		COVERAGE (SQ M)
	Average	Average	Average
1" (25.40 mm)	11.60 sq ft	1.07sq m.	
4" (101.6 mm)	2.56 sq ft.	0.23 sq m.	



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INSTALLATION

SURFACE PREPARATION

Ensure substrate is cleaned as thoroughly as possible, making sure to remove dirt and loose debris, including but not limited to flaking paint, peeling adhesive, and chipped concrete. Pay special attention to stains resulting from grease and oil spills, as their residue could compromise the bond between the existing substrate and Belter Therm. Belter Prime Products should be applied in preparation.

MIXING

Add Belter Therm bag into a pail, wheelbarrow, or concrete mixer. For every 36 pounds bag dry mix add 3 ½- 3 quarts of water. Add ¾'s of water and blend together. Mix until materials are combined. This mix will be dry until remainder of water is added if you do not want slump to be wider do not add entire amount of water. Do not over-water as This will lead to lower psi and cracking. Exact amount of water will vary depending on desired slump and consistency.

STORAGE

Keep Belter Therm stored in a cool, dry space and away from open flame and heat sources.

WARRANTY

NOTICE: Obtain the applicable LIMITED WARRANTY at www.beltertech.com/product-warranty or send a written request to BelterTech, 3020 Commerce Way, Suite D, Hapeville GA 30354.

FINISHING

Belter Therm can be finished using standard industry techniques for concrete finishing. It can be hand floated/troweled, broom finished or finished using other regular industry methods

CURING

Belter Therm is cementitious mixture which may require wet curing per your local codes/ engineering requirements. Simply cure properly with high humidity like other cementitious mixtures.

SAFETY

While mixing dust produced during mixing or cutting may cause skin and eye irritations as well as allergic skin reactions. Respirable dust may contain crystalline silica, a known carcinogen. Do not smoke, eat, or drink when using this product. Wash hands carefully after handling. Do not handle until all safety precautions have been read and understood. Wear protective clothing, gloves, eye, and face protection. Should be used only in well-ventilated areas.

