

KEENE INDUSTRIAL INSULATION CORPORATION

DATA SHEET

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SECTION _____
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Product: NO. 1 PLUS CEMENT

Description: Dry mix of spun mineral wool granules, bentonite clay, and asbestos fiber, for mixing with water and application by trowel. After drying, it is effective insulation for heated surfaces.

Uses: It is applied as a leveling material over insulating blocks, blankets, etc., as complete insulation on irregular surfaces, as patching or repair material, or for general insulating and maintenance work.

Features: No stock problem - one material for all jobs
Lightweight - easy application - high plasticity
Rust-inhibiting - non-corrosive
Reusable if not heated over 1200F

Technical Data: Temperature limit: 2100 F
Mixing water ratio: For general use - 12.5 gallons per bag of 50 pounds - water/cement ratio of 2:1 (amount governed by plasticity required)
Coverage, Wet - 50-55 sq. ft. 1 inch thick per 100 pounds
Dried Cement Properties:
Density: 27 lb. per cu. ft.
Thermal Conductivity:
Btu in. / hr. / ft.² / deg. F

Mean Temp	K
200 F	0.68
400 F	0.755
600 F	0.89
800 F	1.00
1000 F	1.105

Dry Adhesion to Steel - 5 lb. per sq. in.
Linear Shrinkage (6 hr. soaking heat at 2100 F) 3% Max

Specifications: Federal - SS-C-160 Type III Grade U
Military - MIL-C-281D
MIL-I-24244, Type 4
ASTM - C195-64

Packaging: Multi-wall paper bags containing 50 pounds each.

APPLICATION SPECIFICATION

NO. 1 PLUS CEMENT

1. Insulating
Material: All mineral wool insulating cement, shall be NO. 1 PLUS CEMENT as manufactured by Keene Corporation, Industrial Insulation Division
2. Application: NO. 1 PLUS insulating cement shall be applied by spotting on a first coat. After this has dried the next coat shall be roughed on or trowelled smooth, depending on total thickness specified. Each coat shall be not over 3/4 inches thick. Thicknesses of 1-1/2 inches and more shall be reinforced with woven wire mesh before applying the final coat of cement. Final coat shall be trowelled level.
3. Finishing:
(Alternates)
 - Hard Surface
A 3/8" to 1/2" coat of SUPER POWERHOUSE CEMENT shall be applied and trowelled smooth with a steel trowel. When specified, the surface shall be painted after drying.
 - Canvas
After drying the cement shall be covered with 6 or 8 oz. canvas applied with lagging adhesive.
 - Outdoor
After drying, the cement shall be covered with woven wire mesh securely fastened, to which a 1/4 inch thick (wet) FIBREKOTE weatherproofing application shall be made.