

Gold Bond® Two-Way Hardwall Plaster

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Technical Information
800.NATIONAL • 800.628.4662

DESCRIPTION

Gold Bond® Two-Way Hardwall Plaster is a neat basecoat plaster that requires the jobsite addition of an aggregate and water. When properly proportioned with aggregate, Two-Way Hardwall Plaster forms a hard, durable base for gypsum plaster finish coats. Complies with ASTM C28.

Use Two-Way Hardwall Plaster with sand or expanded lightweight aggregate conforming to ASTM C35. It is mechanically mixed at the jobsite. Apply it by hand or use it through pump/spray plastering machines.

Two-Way Hardwall Plaster consists of unaggregated gypsum plaster, and contains no asbestos.

BASIC USES

Applications

Designed as a basecoat plaster for finish plasters as well as interior use over all accepted plaster bases as described in ASTM C842.

Two-Way Hardwall Plaster is intended to serve as a basecoat plaster for finish plasters, such as:

- Gold Bond® Gypsum Gauging Plaster
- Gold Bond® Kal-Kote® Smooth Finish Plaster
- Gold Bond® Kal-Kote® Texture Finish Plaster
- Gold Bond® Uni-Kal® Veneer Plaster
- Gold Bond® X-KALibur® Veneer Plaster

Advantages

- Set-stabilized and adjusted for market requirements and seasonal changes. When mixed with sand or other aggregates, it has uniform working qualities and excellent spread.
- When properly proportioned with aggregate, it forms a hard, durable base for the finish coat and provides increased resistance to minor structural movements and impacts.
- **Fire resistant:** Two-Way Hardwall Plaster is essentially mineral in composition and will not support combustion.

Strength

Two-Way Hardwall Plaster properly proportioned with aggregate forms a hard, durable base for the finish coat that provides increased resistance to minor structural movements, impacts and abrasions.

Fire Resistant

Two-Way Hardwall Plaster is essentially mineral in composition and will not support combustion.

RECOMMENDATIONS

- Use sand mix plaster for general application and compressive strength.
- Use vermiculite plaster for additional fire resistance.
- Use perlite mix plaster for lightweight and fire resistance, including columns and beams.

LIMITATIONS

- Not for exterior use.
- Two-Way Hardwall Plaster must be kept dry until used. It must be stored off the ground, under cover and away from moisture sources.
- Not to be used in interior areas where directly exposed to free water or severe moisture conditions.
- Not to be used in areas subjected to temperatures exceeding 125°F (52°C) for extended periods.

Job Name _____

Contractor _____ Date _____

Submittal Approvals: (Stamps or Signatures)

**Two-Way
Hardwall
Plaster**

Gold Bond® Two-Way Hardwall Plaster

TECHNICAL DATA

Physical Properties of Two-Way Hardwall Gypsum Plaster

Plaster Properties	Gypsolite Regular	Two-Way Hardwall						
		Gypsolite Plaster to Sand by Weight		Gypsum Plaster and Vermiculite		Gypsum Plaster and Perlite		
					Regular	Masonry	Regular	Masonry
Mix	Mill Mix	1:1	1:2	1:3	100 lbs. (45.4 kg) 2 cu. ft. (.06 m ³)	100 lbs. (45.4 kg) 3 cu. ft. (.08 m ³)	100 lbs. (45.4 kg) 2 cu. ft. (.06 m ³)	100 lbs. (45.4 kg) 3 cu. ft. (.08 m ³)
Approx. Compressive Strength – Lbs. per sq. in. (kPA)	900 (6,201)	1,600 (11,024)	1,150 (7,923)	750 (5,168)	500 (3,445)	300 (2,067)	900 (6,201)	650 (4,479)
Approx. Tensile Strength – Lbs. per sq. in. (kPA)	160 (1,102)	250 (1,722)	190 (1,309)	120 (827)	130 (896)	90 (620)	160 (1,102)	100 (689)

Approximate Coverage

Packaging	Bag: 49.5 lb. (22.5 kg)
Gypsum Plaster Base Applications	
– Approx. Coverage per Bag	40 – 50 sq. ft. (3.7 – 4.6 m ²)
– Applied Thickness	7/16" (11.1 mm)
– Aggregate Proportion	Sanded 1:2-1/2
Metal Lath Applications	
– Approx. Coverage per Bag	20 – 26 sq. ft. (1.9 – 2.4 m ²)
– Applied Thickness*	9/16" (14.3 mm)
– Aggregate Proportion	Sanded 1:2-1/2
Brick, Clay Tile, Concrete Block Applications	
– Approx. Coverage per Bag	40 – 50 sq. ft. (3.7 – 4.6 m ²)
– Applied Thickness*	9/16" (14.3 mm)
– Aggregate Proportion	Sanded 1:3
Approx. Set Time	3 Hours

*Measured from face of lath.

NOTE: Sanded 1:2-1/2 means 1 part plaster to 2-1/2 parts sand by weight.

Weight Comparison of Basecoat Plasters

Dry Set Mortar Weight	Sanded 1:3
Weight lbs. per cu. ft. (kg/m ³)	120 (1,922)
Lbs./yd. ² (kg/m ²) 3/8" (9.5mm) thick	34 (18)
Lbs./yd. ² (kg/m ²) 1/2" (12.7mm) thick	45 (24)
Lbs./yd. ² (kg/m ²) 5/8" (15.9mm) thick	56 (30)
Lbs./yd. ² (kg/m ²) 3/4" (19.0mm) thick	67 (36)
Wet Mortar Weight	
Weight lbs. per cu. ft. (kg/m ³)	140 (2,243)

FOR MORE INFORMATION

Architectural Specifications

Gold Bond Building Products CSI MasterFormat® 3-part guide specifications are downloadable as editable Microsoft® Word documents at: goldbondbuilding.com.

Latest Technical Information and Update

Visit goldbondbuilding.com or call National Gypsum Company Construction Services: 1-800-NATIONAL (628-4662).

Technical Information Información Técnica

1-800-NATIONAL®
1-800-628-4662

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The Gold Bond family of products is manufactured by Gold Bond Building Products, LLC.

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