

# Basecoat Plasters

## Gold Bond® BRAND Two-Way Hardwall Gypsum Plaster

### Description

Gold Bond® Two-Way Hardwall Plaster is a basecoat plaster which requires the job site addition of an aggregate and water to provide working qualities and is designed for interior use over all accepted plaster bases. It may be applied by hand or used through pump/ spray plastering machines.



### Strength

Two-Way Hardwall Plaster properly proportioned with aggregate forms a hard, durable base for the finish coat. Its high tensile and compressive strength results in increased resistance to minor structural movements, impacts and abrasions.

### Fire Resistance

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

### Features/Benefits

#### Controlled Uniformity

Two-Way Hardwall Plaster is set-stabilized and adjusted for market requirements and seasonal changes. When mixed with sand or other aggregate it has uniform working qualities and excellent spread.

### Technical Data

AGGREGATE PROPORTION AND ESTIMATED COVERAGE				
Aggregate Proportions	Plaster Base	Coverage, Sq. Yds. /Ton (Sq. M./Metric Ton)	Sq. Ft. (Sq. M.) per Bag	Thickness In. (mm)
Sanded 1:2-1/2	Gypsum Lath	88-110 (80-102)	40-50 (3-5)	7/16" (11.1)
Sanded 1:2-1/2	Gypsum Foil Back Lath	88-110 (80-102)	40-50 (3-5)	7/16" (11.1)
Sanded 1:2-1/2	Metal Lath	45-63 (42-58)	20-26 (1.5-2.5)	9/16"* (14.3)*
Sanded 1:3	Brick & Clay Tile Concrete Block	88-110 (80-102)	40-50 (3-5)	9/16" (14.3)

\*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	Gypsolite
Weight lbs. per cu. ft. (kg/m <sup>3</sup> )	120 (1922)	50 (801)
Lbs./yd. <sup>2</sup> (kg/m <sup>2</sup> ) 3/8" (9.5 mm) thick	34 (18)	14 (8)
Lbs./yd. <sup>2</sup> (kg/m <sup>2</sup> ) 1/2" (12.7 mm) thick	45 (24)	19 (10)
Lbs./yd. <sup>2</sup> (kg/m <sup>2</sup> ) 5/8" (15.9 mm) thick	56 (30)	24 (13)
Lbs./yd. <sup>2</sup> (kg/m <sup>2</sup> ) 3/4" (19.0 mm) thick	67 (36)	29 (16)
Wet Mortar Weight		
Weight lbs. per cu. ft. (kg/m <sup>3</sup> )	140 (2243)	69 (1105)

### Specification Reference

ASTM Designation C 28, "Gypsum Plasters".

### Bag Weight

50 lbs. (22.7 kg)

## Gold Bond® BRAND Gypsolite® Plaster

### Description

Gold Bond® Gypsolite® is a light-weight gypsum basecoat plaster mixed at the mill with correctly sized and proportioned perlite aggregate, requiring only the addition of water on the job. It is manufactured to be trowel-applied over gypsum plaster base, and in some cases metal lath (see LIMITATIONS.)

### Features/Benefits

#### Uniform Strength and Hardness

Uniformity is assured through exact proportioning and thorough mixing of graded perlite and gypsum plaster at the mill. Gypsolite provides a uniform base for the finish coat.

#### Lightweight

Gypsolite weighs less than half as much as sanded gypsum plaster, thus reducing the dead-load on framing.



### High Insulating Value

Gypsolite has a "k" factor of 1.5 which provides about 3-1/2 times the insulating value of sanded plaster.

### Fire Resistance

Gypsolite has excellent fire-resistive qualities and generally provides fire ratings higher than sanded plaster.

### Limitations

When used over metal lath, a sand float finish should be specified. A smooth-trowel finish is not recommended since the combination of a relatively soft (perlite aggregated) basecoat and a hard (smooth-trowel lime/gauging) finish has the potential for cracking and spalling of the finish coat.

### Technical Data

GYPSOLITE ESTIMATED COVERAGE (50 LB. BAG)			
Plaster Base	Coverage, Sq. Yds. per Ton (Sq. M./Metric Ton)	Sq. Ft. (Sq. M.) per Bag	Thickness In. (mm)
Gypsum Lath and Gypsum Foil Back Lath	90-100 (83-92)	32-35 (3-3.5)	7/16" (11.1)
Metal Lath	42-52 (39-48)	16-19 (1.5-1.8)	9/16"* (14.3)*

\*Measured from face of lath.

### Specification Reference

ASTM Designation C 28, "Gypsum Plasters".

### Bag Weight

50 lbs. (22.7 kg)

25 lbs. (11.3 kg)

## Finish Plasters

PHYSICAL PROPERTIES OF BASECOAT PLASTERS (TYPICAL TEST RESULTS PER ASTM C 472)								
Plaster Properties	Gypsolite Regular	Two-Way Hardwall to Sand by Weight			Two-Way Hardwall and Vermiculite		Two-Way Hardwall and Perlite	
		Mill Mix	1:1	1:2	1:3	Regular	Masonry	Regular
Mix	Mill Mix	1:1	1:2	1:3	100 lbs. (45.4 kg) 2 cu. ft. (.06 m <sup>3</sup> )	100 lbs. (45.4 kg) 3 cu. ft. (.08 m <sup>3</sup> )	100 lbs. (45.4 kg) 2 cu. ft. (.06 m <sup>3</sup> )	100 lbs. (45.4 kg) 3 cu. ft. (.08 m <sup>3</sup> )
Approximate Compressive Strength lbs. per sq. in. (kPa)	900 (6201)	1600 (11024)	1150 (7923)	750 (5168)	500 (3445)	300 (2067)	900 (6201)	650 (4479)
Approximate Tensile Strength lbs. per sq. in. (kPa)	160 (1102)	250 (1722)	190 (1309)	120 (827)	130 (896)	90 (620)	160 (1102)	100 (689)