

PLASTERMAX™ - Industrial Abuse-Resistant Interior Plaster

Description

PlasterMax™- Industrial is a state-of-the-art abuse-resistant interior veneer plaster. This industrial strength product provides the ultimate tough finish specifically formulated for commercial and industrial applications. In today's competitive construction market, speed and ease of product installation are critical factors. PlasterMax is a pre blend- just add water- eliminating time and cost of mixing aggregates and/or admixtures at the jobsite. Unlike other abuse resistant plasters and/or hydraulic cements, PlasterMax can be applied in one easy step to create a barrier suited for demanding applications. PM-Industrial enables the applicator the capability to finish interior surfaces with beauty while obtaining a true monolithic surface like conventional plaster systems. PlasterMax surpasses conventional interior plasters in the areas of strength, beauty, service life, high impact and abrasion resistance. PM-Industrial is an ideal finish for schools, universities, medical facilities, hotels, commercial offices, military buildings, multi-family housing, etc.

Range of Finishing Options

- Venetian
- Textured
- Painted
- Smooth
- Sealed
- Stained

Environmental Consciousness

PlasterMax™ products are designed to be environmentally responsible and sustainable. Our plaster offerings emit no pollutants and use recycled by-products. The GigaCrete product family exceeds the USEPA and California indoor air quality and VOC standards. In addition, our products meet emission level requirements of Greenguard product quality testing. As well, PlasterMax products are 98% silica free, do not foster the growth of mold or mildew, and use 80% less water than conventional plasters.

Performance Benefits

- Durable, protective finish providing 7,000 PSI in just 7 days
- Extreme abrasion and impact resistance
- Noncombustible building material
- Zero Flame Spread
Zero Smoke Development
- May be applied over gypsum board, cement board, or concrete substrates

Properties

Packaging	Applied Thickness	Coverage	Weight (lbs./ft ²)
IND-50 lb. bag	1/8"	40 sq. ft. *	1.40
IND-50 lb. bag	1/4"	20 sq. ft. *	2.80

*Note: coverage yields may vary due to water content, application uniformity, and substrate conditions

Packaging

PlasterMax-ICF Plaster is available in 50-lb. (22.5 kg) moisture-resistant sealed plastic bags.

Limitations

Not recommended for exterior use or areas subject to weathering or direct water contact.

**May be subject to cracking under rapid drying conditions which may be caused by low humidity, high temperatures, direct sunlight, and/or excessive draft.

Mixing water must potable and not exceed 75°F.

May be remixed or agitated during material application but must NOT be re-tempered with water after initial mixing has taken place.

Stiffened, unusable material must be discarded

**See *Best Practices Guide*

Abuse Resistance Performance

ASTM C1629 is used as the standard for measuring impact and abrasion resistance qualities. ASTM D4977, ASTM D5420 and Hard Body Impact methods listed in ASTM C1629 Annex A1 are utilized.

Note: All abuse resistance values below for PlasterMax Industrial are measured when applied over ½" gypsum wallboard.

<i>Surface Abrasion: ASTM D4977-03</i> <i>(Average Loss Measured in Inches @ 50 cycles)</i>	
PM Industrial - 1/8"	.004"
PM Industrial - 1/4"	.004"
Georgia Pacific Densarmor Abuse- 5/8"	.014"
National Gypsum Abuse Guard- 5/8"	.009"
USG Abuse Resistant Drywall- 5/8"	.468"

<i>Surface Indentation: ASTM D5420</i> <i>(Average Depth Measured in Inches)</i>	
PM Industrial- 1/8"	.022"
PM Industrial - 1/4"	.022"
Georgia Pacific Densarmor Abuse- 5/8"	.144"
National Gypsum Abuse Guard- 5/8"	.179"
USG Abuse Resistant Drywall- 5/8"	.120"

<i>Hard Body Impact: ASTM C1629</i> <i>(Failure Point Measured in Ft.-Lbs.)</i>	
PM Industrial- 1/8"	32 ft.-lbs.
PM Industrial - 1/4"	36 ft.-lbs.
Georgia Pacific Densarmor Abuse- 5/8"	Data not provided
National Gypsum Abuse Guard- 5/8"	56 ft.-lbs.
USG Abuse Resistant Drywall- 5/8"	50 ft.-lbs.

<i>PlasterMax IND</i> <i>Compressive Strength: ASTM C109</i>	
Time Elapsed	Pounds per Square Inch
3 Days (72 hrs)	5,500
7 Days (168 hrs)	7,000

Compliance Standards

- **ASTM C109**
Compressive strength standard
- **ASTM C587**
Standard specification for gypsum veneer plaster
- **ASTM C1629**
Impact/Abrasion resistance
- **ASTM E84**
Flame spread and smoke development
- **ASTM E136**
Building material combustibility
- **ASTM G21**
Fungal contamination resistance
- **GREENGUARD Product Quality**
Air Quality Sciences, Report No. 15763-01

Shelf Life

When properly stored indoors in original, uncompromised, sealed packaging, PlasterMax-ICF Plaster has a shelf life of one year from the date of manufacture.

Application

May be applied via pump, spray gun, or hawk and trowel. See "**PlasterMax™ IND Best Practices Guide**" for installation information.

GIGACRETE™

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