

# PlasterMax – ICF Base Coat

## Description

### PlasterMax – ICF Base Coat

Is a state of the art abuse resistant interior plaster product. The product when directly applied over EPS foam provides the ultimate tough finish specifically formulated for the Insulate Concrete Form (ICF) Industry. In today's competitive construction market, speed and ease of product installation are critical factors. PlasterMax is a pre-blend, just add water product eliminating time and cost of mixing aggregates and/or admixtures at the jobsite. PlasterMax-ICF Base Coat forms a tough abuse resistant and durable fire rated barrier suited for demanding applications. PlasterMax ICF Base Coat provides the capability to finish interiors with beauty while obtaining a true monolithic surface like conventional plaster systems. PlasterMax surpasses commercially available interior wall board/panels for ICF construction in the areas of strength, beauty, service life, high impact and abrasion resistance. No other single product can compete with the collective attributes PlasterMax has to offer.

## Environmental Consciousness

PlasterMax Base Coat is designed to be environmentally responsible and sustainable. Our plaster offering emits no pollutants and uses post industrial recycled by-products. PlasterMax Base Coat meets Greenguard product quality requirements and far exceeds the USEPA and California indoor air quality and VOC standards. PlasterMax Base Coat is essentially free from crystalline silica, and does not foster the growth of mold or mildew. GigaCrete PlasterMax Base Coat qualifies for the Leeds Points.

### Performance Benefits

- Fire rated thermal protective coating over EPS foam
- Develops over 3,000 PSI compressive strength in just 7 days
- Level 3 ( highest level for the wall board industry) abrasion and impact resistance
- Class A fire rated noncombustible building material
- Zero Flame Spread and Zero Smoke Development
- Direct application over EPS foam, no lath is required.

## Packaging

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

## Limitations

Not recommended for areas subject to constant 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 be 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\*\*

## Range of Finishing Options

- Textured      ➤ Smooth
- Painted       ➤ Sealed

## Properties

Packaging	Applied thickness	Coverage	Weight (lbs./ft <sup>2</sup> )
Base- 50 lb. bag	3/8"	23 sq. ft.*	2.50
Finish-50 lb.bag	1/8"	40 sq. ft.*	1.40

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

## 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.

Surface Abrasion: ASTM D4977 (A measure of resistance to scratch and score)	
PlasterMax Base Coat	0.009"
Georgia Pacific Densarmour Abuse Resistant Board	.01"
National Gypsum Abuse Guard Board	.009"
US Gypsum Fiberrock abuse Panel	.284"
Concrete Masonry (CMU) – 8" hollow	.006"

PlasterMax Base Coat falls under Level 3 classification which is the best in this category

Surface Indentation: ASTM D5420 (A measure of resistance to impact, banging and bumping)	
PlasterMax Base Coat	0.06"
Georgia Pacific Densarmour Plus Board	0.24"
National Gypsum Hi Impact Fire Shield Board	0.19"
US Gypsum Hi Impact VHI Board	0.15"
Gypsum Wall Board Type X	0.28"

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## 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
- NFPA 286 – Fire Testing-wall and ceiling interior finish
- UBC 26-3 – Fire test std. for interior of foam plastic systems

## Shelf Life

When properly stored indoors in original, uncompromised, sealed packaging, PlasterMax-ICF plaster has a shelf life of six months from the date of manufacture.

## Application

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

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