COVERAGE

Description

PLASTERMAX™ is an inorganic mixture of mineral binders and limestone sand with exceptional performance, environmentally sustainable while providing strength, durability, and fire resistance. It forms a strong bond with cement based products such as block or concrete, expanded polystyrene foam (EPS) or PU foams, with tensile bond strength exceeding the tensile strength of the foam substrate. Unlike other plasters it does not require multiple coats. It can be applied as a one coat-two pass also known as a "double back" coat from a 1/8" skim coat to 3/16" or thicker depending on application. PLASTERMAX™ is naturally a light warm tan color. PLASTERMAX™ replaces gypsum board as a fire rated finish over foam and can be installed in one day. A primer plus paint finish can be applied after fully cured for 3 days to complete the installation. We highly recommend a masonry primer and acrylic or latex paint finish. PLASTERMAX™ is pre-blended; just add the pre-prepared activator at the job site and mix with conventional plaster/stucco type mixing equipment. It can be pumped and sprayed or hawk and trowelled with conventional plaster and stucco equipment.

PLASTERMAX™ is designed to be environmentally responsible and sustainable and emits no pollutants or VOC's. It uses only natural materials, with absolutely NO Portland type cement and qualifies for LEED point's benefits. The Product meets emission level requirements of GREENGUARD Product Quality. PLASTERMAX™ is silica free, and does not support the growth of mold and mildew.

PERFORMANCE BENEFITS AT A GLANCE

- Provides a hard, durable single coat over EPS interior walls, 8,000 - 9,000 psi (55 to 62 Mpa) compressive strength
- Applies directly over EPS and PU foams, gypsum board or CMU block and provides an abuse resistant barrier
- Noncombustible building material
- Zero flame spread, and zero smoke developed indices
- Considered a permeable barrier
- Resistant to mold and mildew growth
- When applied at a thickness of 3/16" inch over EPS foam with 11 oz fiberglass mesh, the installation far exceeds impact and indent performance of any gypsum board including very high impact board.
- It is environmentally sustainable with a low carbon foot print
- Can be applied in one coat in one day.
- Pre-formulated mix, needs only water mixed with our activator on the jobsite
- Mix and apply using pumps/sprayers or hawk and trowel
- High Early Strengths
- Utilizes 11 oz fiberglass mesh for improved crack resistance as used in EIFS applications
- Installs by EIFS/Stucco and Plastering trades
- Passed National Fire Protection Agency 15 minute fire resistance

Packaging	Applied Thickness	Coverage	Weight (lbs/sq.ft - kilos/m2)
PLASTERMAX™ 75 lb (34kg)	3/16" (5mm)	40 (4.18m2)	1.78 lbs/sf (19 kg/m2)

Product yields may also vary due to substrate conditions.

Technical Data

TEST	STANDARD METHOD	RESULTS
Compressive Strength psi (Mpa)	ASTM C-109	8000 (55.15) @ 7 days 9,000 (62 Mpa) @ 14 days
Flexural Strength MOR psi (Mpa)	ASTM C-293 modified	1200 (8.27) @ 7 days
Tensile Strength	ASTM C-190	Meets or Exceeds
Tensile Bond Strength	ASTM C-297	Meets or Exceeds
Impact Resistance psi (Mpa)	ASTM D-5420	> 220psi (1.51)
Water Absorption	ASTM C-642	7 days 3-5%
Water Vapor Test	MOAT No 33: 1986 The Assessment of Masonry Coatings	Water vapor resistance (MNs/g) 11.6 Considered a vapor barrier
Shrinkage (% by length)	ASTM C-157	Air Cure -7 days 0.002
Accelerated Weathering QUV accelerated weathering	ASTM G-26 1000 hours	Meets or Exceeds Pass
Joint Strength Test	ASTM C587	Pass
Bond Strength, Impact Strength Joint Strength Flexure Strength	ASTM C587-04	Pass
Abuse Resistance Test	ASTM C1629/c1629M	Pass
Fungal Resistance Test	ASTM G21-96	Meets or Exceeds
Surface Abrasion Test	ASTM D4977	Meets or Exceeds
Surface Burning	ASTM E-84	Flame Spread:0 Smoke : 0
Fire Resistance	ASTM E-119	Meets or Exceeds
Room corner fire test	NFPA 286. UBC 26-3. IBC803.2.1	Pass
Combustibility	ASTM E-136	Non-Combustible
30 Minute Elevated Temperature Exposure Test	IBC Section 803.3	Meets or Exceeds
California Air Quality Standards	CAQS	Exceeds
USGBC	LEED Points	Recognized

PACKAGING

PLASTERMAX™ is shipped in 75-lb. (34 kg) moisture-resistant plastic lined paper bags.

SHELF LIFE

When properly stored indoors in original sealed packaging, PLASTERMAX™ has a shelf life of one year from the date of manufacture when stored in a cool dry place away from moisture.

APPLICATION

PLASTERMAX™- can be applied by pump and spray or hawk and trowel to the desired thickness in a single coat application. PLASTERMAX™ installation can be completed in one day, using a single coat method of application.

LIMITATIONS

Mixing water to make activator must be potable and water temperature not to exceed 75 F.

May be remixed or agitated during application but may not be re-tempered with water/activator after initial mixing has taken place

Should be applied under ambient conditions of more than 35% relative humidity, and temperatures within the range of 40-85 F ideally

Substrate temperature should not exceed 85 F.

PRODUCT WARRANTY

10 years from the date of installation, requiring compliance to the GigaCrete, Inc. Best Practices Guidelines for PLASTERMAX™ installation and subject to limitations listed above.

GigaCrete

BUILDSTRONG. BUILD FORWARD™

GigaCrete Inc.
7600 W Arby Avenue
Las Vegas, NV 89113
Ph – (702) 643-6363
Fax – (702) 620-5207
www.gigacrete.com