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Gold Premium Performance Self-Leveler

DESCRIPTION

Gold Premium Performance Self-Leveler is a high-strength, self-leveling, cement-based underlayment and repair mix with quicker curing time that is used for interior concrete and engineer-approved floors.

FEATURES AND BENEFITS

- For leveling, smoothing and repairing interior floors
- Ready for tile in 24 hours

LIMITATIONS

Do not install over substrates containing asbestos. For interior use only. *Gold Premium Performance Self-Leveler* should only be used between 50°F and 85°F (10°C and 29°C). Do not install over moving control joints (with active cracks) or over expansion joints. Do not install if the substrate has a moisture vapor emission rate (MVER) exceeding 5 lbs. per 1,000 sq. ft. (2,27 kg per 92,9 m^2) per 24 hours using a calcium chloride test (reference ASTM F1869), and a relative humidity (RH) reading greater than 80% (ASTM F2170). Do not install *Gold Premium Performance Self-Leveler* over sheet vinyl, self-stick vinyl tile, luxury vinyl tile or plank (LVT or LVP), glue-down wood flooring, particleboard, hardboard (Masonite), Lauan panels, waterproofing, crack-isolation or sound-control membranes, gypsum-based patching materials, or any other non-dimensionally stable materials. Do not install if the maximum allowable deflection of the supporting surface exceeds L/360 (or L/720 for installations involving natural stone or their agglomerates) when exposed to live or dead loads. Do not use in areas subjected to prolonged exposure to moisture.

SURFACE PREPARATION

All substrates must be properly prepared; primed with *Platinum Superior Performance Primer*; and structurally sound, stable, solid and dry. Concrete surfaces must be mechanically profiled to International Concrete Repair Institute (ICRI) concrete surface profile (CSP) #3 standards for acceptable profile. On concrete substrates, fill in deep areas, holes and cracks with an appropriate patching compound or screed. Fluid self-leveler may leak through to a floor below or other unwanted cavities. On plywood substrates, fill joints with an acrylic-based caulking compound to prevent the underlayment from leaking onto a floor below.

SUITABLE SUBSTRATES

Note: All substrates must be primed with *Platinum Superior Performance Primer*.

Properly prepared, sound, dimensionally stable, fully cured concrete at least 28 days old and free from hydrostatic pressure. Properly prepared, well-bonded and dimensionally stable ceramic tile, porcelain tile, quarry tile, natural stone, VCT, cement and epoxy terrazzo, and epoxy-based moisture barriers. Properly installed cement backer units (CBUs). Durable, sound, stable and fully cured cement-based mortar beds. Engineer-approved plywood or OSB subfloors in accordance with the most recent edition of the Tile Council of North America's F185 specification. Existing nailed-down wood flooring (including plank wood subfloors, stripwood subfloors and nailed-down solid wood flooring) that has been covered over with at least one layer of 5/8" (16-mm) plywood – glued and screwed. Gypsum-based underlayments.

MIXING

Choose all appropriate safety equipment before use. Refer to the Safety Data Sheet for details.

For the best results, use a clean mixing barrel or a plastic pail measuring 5 U.S. gals. (18,9 L) along with clean, potable water at room temperature (about 85°F or 29°C). Mix at a ratio of 5 to 5.28 U.S. qts. (4,73 to 5,0 L) of water per 50-lb. (22,7-kg) bag of *Gold Premium Performance Self-Leveler*. The mixing ratio must remain consistent. Do not overwater material. Slowly add the powder into the pre-measured water. Use a high-speed drill and an oval paddle mixer to mix for 2 to 3 minutes, or to a homogenous, lump-free consistency. Do not overmix. Overmixing or moving the mixer up and down during the mixing process could trap air, shorten the pot life or cause pinholing during the application and curing process.

PRODUCT APPLICATION

Read all installation instructions thoroughly before installation. Concrete substrates and ambient room temperatures should be maintained between 50°F and 85°F (10°C and 29°C) for 72 hours before, during and after application. Before installation, close doors and windows and turn off HVAC systems to prevent drafts during application and until the underlayment is cured. Protect installation areas from direct sunlight. Quickly pour *Gold Premium Performance Self-Leveler* onto the properly prepared and primed surface in a ribbon pattern. Set the width of the pour at a distance that is ideal for maintaining a flowable wet edge throughout placement. If a flowable wet edge cannot be maintained, reduce the width of the pour. For best results, work as a team to provide a continuous flow of wet material in order to avoid trapping air or creating a cold joint. Apply enough material to adequately cover all high spots. Shortly after placing *Gold Premium Performance Self-Leveler*, spread the material with a gauge rake to assist in gauging out the product to the desired depth; then, smooth the surface with a smoother to obtain evenness.

CURING

Gold Premium Performance Self-Leveler is self-curing; do not use a damp-curing method or curing and sealing compounds. Protect *Gold Premium Performance Self-Leveler* from excessive heat and draft conditions during curing. Turn off all forced ventilation and radiant-heating systems. Protect the installation for up to 24 hours after completion. Avoid walking on the installed surface for at least 4 to 5 hours after installation, depending upon temperature and humidity conditions. Protect the installation from traffic, dirt and dust from other trades until *Gold Premium Performance Self-Leveler* has completely cured and the final flooring has been installed. Do not expose *Gold Premium Performance Self-Leveler* to rolling dynamic loads, such as forklifts or scissor lifts, for at least 72 hours after installation.

CLEANUP

Wash hands and tools with water promptly before the material hardens. Cured material must be mechanically removed.

Product Performance Properties

Laboratory Tests	Results
Compressive strength – ASTM C349	
1 day	> 1,250 psi (8,62 MPa)
7 days	> 2,700 psi (18,6 MPa)
28 days	> 4,200 psi (29,0 MPa)
Flexural strength – ASTM C348 (CAN/CSA-A23.2-8C)	
28 days	> 1,050 psi (7,24 MPa)
VOCs (Rule #1168 of California's SCAQMD)	0 g per L
Cured density	128 lbs. per cu. ft. (2,06 kg per L)
pH	11

Shelf Life and Product Characteristics (before mixing)

Shelf life	1 year when stored in original, unopened packaging at 73°F (23°C) and 50% RH
Physical state	Powder
Color	Gray
Shelf life	2 years when stored in original, uno-pened packaging at 73°F (23°C) and 50% RH. Protect from freezing during transport and storage.

Application Properties

Surface profile required	ICRI CSP #3
Application temperature range	50°F to 85°F (10°C to 29°C)
Mixing ratio	5 to 5.28 U.S. qts. (4,73 to 5,0 L) of water per 50 lbs. (22,7 kg) of powder
Mixing time	2 to 3 minutes
Flow time	8 to 10 minutes
Single-lift application range	1/8" to 1" (3 mm to 2,5 cm)
Single-lift application range with 30% aggregate	1" to 5" (2,5 to 12,7 cm)
Minimum thickness over highest point in floor	1/8" (3 mm)
Time until light foot traffic is permitted	24 hours
Drying time before installation of tile and stone at 70°F (21°C) at 1/2" (12 mm) thickness	24 hours
Drying time before installation of moisture-sensitive floor coverings at 70°F (21°C) at 1/2" (12 mm) thickness	48 to 72 hours
Waiting time for secondary applications	24 hours

CSI Division Classification

Cast Underlayment	03 54 00

Packaging

Size
Plastic bag: 50 lbs. (22,7 kg)

Approximate Coverage per 50 lbs. (22,7 kg)*

Thickness	Coverage
1/8" (3 mm)	48 sq. ft. (4,46 m^2)
1/4" (6 mm)	24 sq. ft. (2,23 m^2)
1/2" (12 mm)	12 sq. ft. (1,11 m^2)

** Coverage shown is for estimating purposes only. Actual jobsite coverage may vary according to substrate conditions, type of equipment, thickness applied and application methods used.*

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