

SURFACE-GYP PRO is a premium, high-strength, concentrated gypsum-based underlayment designed for multifamily and light-commercial construction over approved wood, concrete, and steel deck substrates. Mixed on site with approved sand and potable water, it produces a pumpable, self-leveling mixture that creates a smooth, flat base for finished flooring, with compressive strengths ranging from 3,500 to 4,500 psi (24.1 - 31.0 MPa), depending on mix proportions, sand gradation, water content, and flow characteristics.

USES

- Interior floor leveling in multifamily, residential, hospitality, office, and light-commercial projects, including new construction and renovations.
- Installation over approved plywood, OSB, concrete, and steel deck substrates.
- Underlayment beneath carpet, sheet vinyl, LVT, wood, laminate, and ceramic tile.
- Installation over compatible **SURFACEacoustic** sound-control mats as part of approved floor-ceiling assemblies.

ADVANTAGES

- High compressive strength: 3,500 - 4,500 psi (24.1 - 31.0 MPa).
- Excellent flow creates a smooth, flat surface.
- Pumpable for efficient installation over large areas.
- Approximately 30 minutes of working time for placement and finishing.
- Fast-setting formulation allows light foot traffic in approximately 2 - 4 hours.
- Contributes to sound control and fire resistance when incorporated into approved assemblies.

TECHNICAL DATA

Appearance / color	Light gray powder
Packaging	80 lb bag
Compressive strength (modified ASTM C472)**	3,500 - 4,500 psi
Sand requirements	Clean, washed sand meeting TECNODRY's sand gradation specifications
Working time	Approximately 30 minutes, depending on mix proportions and ambient conditions
Ready for light foot traffic	Approximately 2 - 4 hours, depending on jobsite conditions
Installation thickness	Minimum and maximum thicknesses vary depending on substrate type, installation method, and system requirements
Dry density - with aggregate	120 - 130 lb/ft³
Installed dry weight at 3/4"	Approx. 7.5 lb/ft²
Fire performance (ASTM E84)	Class A / class 1 flame spread index: 0, smoke developed index: 0
UL designs for 1 and 2 hour fire rated assemblies	G594* (same as G560*), L518*, L525*, L528, L530, L546* (same as L521*), L569*, L570*, L576*, L589*, M501* (same as L550*)

*Ceiling configuration may require multiple layers depending on design / See UL website for more detailed information on designs

**Compressive strength varies with mix proportions, sand gradation, water content, and flow characteristics.



SUBSTRATE PREPARATION

All substrates must be structurally sound, dry, clean, and free of dust, oil, grease, wax, curing compounds, adhesive residue, and other contaminants that may interfere with adhesion. Remove loose material and seal gaps, perimeter openings, and plumbing or electrical penetrations to prevent slurry leakage.

- **Wood:** Plywood and OSB subfloors must be properly supported and securely fastened. Repair loose panels and excessive movement before installation.
- **Concrete:** Concrete must be adequately cured. Evaluate cracks and repair as appropriate; cracks associated with structural movement require assessment by the project engineer. Test substrate moisture and provide an approved moisture mitigation system where required.
- **Steel Deck:** Steel decking must meet the approved assembly's structural requirements and be securely fastened, clean, and free of rust, oil, and contaminants. Follow TECNODRY's system-specific preparation and priming requirements.

Apply a TECNODRY-approved primer to wood and concrete substrates according to the primer's technical data sheet. For installations over sound-control mats or separation membranes, follow the approved system instructions.

Improper substrate preparation may adversely affect system performance and void the product warranty.

MIXING AND APPLICATION

Mix **SURFACE-GYP PRO** with approved sand and clean, potable water using calibrated mixing and pumping equipment. Follow TECNODRY's approved mix design for sand and water proportions. Adjust added water to account for sand moisture while remaining within approved limits. Do not overwater or oversand.

Check flow using the specified spread-test procedure at the start of placement and periodically throughout installation. Maintain consistent proportions and flow. Do not add water to material that has begun to set.

Pump or pour the mixture promptly onto the prepared substrate. Spread with a gauge rake or smoothing tool to achieve the specified thickness and a uniform surface. Working time is approximately 30 minutes, depending on mix proportions and ambient conditions.

Follow the minimum and maximum thickness requirements for the substrate, installation method, and approved assembly. Continue expansion and isolation joints through the underlayment.

Maintain ambient and substrate temperatures at or above 50°F (10°C) during installation. Protect fresh material from direct sunlight and strong drafts until set, then provide adequate ventilation for drying. Allow light foot traffic only after the underlayment has hardened sufficiently, and protect it from heavy wheeled traffic and concentrated loads.

DRYING & FLOOR COVERING INSTALLATION

After the underlayment has set, provide continuous ventilation and adequate heat to promote uniform drying. Drying time varies with installation thickness, mix proportions, temperature, relative humidity, and ventilation. Maintain a minimum temperature of 50°F (10°C) and protect the installation from water exposure.

Before installing floor coverings, verify underlayment moisture using a method suitable for gypsum-based underlayments and accepted by the flooring and adhesive manufacturers. Light foot traffic readiness does not indicate that the underlayment is sufficiently dry to receive flooring.

The surface must be sound, clean, and free of dust, loose material, and contaminants. Repair damaged areas and apply a **TECNODRY**-approved surface sealer where required by the flooring or adhesive system.

Install floor coverings only after the applicable moisture limits and surface preparation requirements have been met. Follow the flooring and adhesive manufacturers' instructions; where requirements differ, comply with the more restrictive criteria.

LIMITATIONS & PRECAUTIONS

- For interior use only. Do not use where continuous or repeated water exposure, standing water, or hydrostatic pressure is expected.
- Not a wear surface. An approved finished floor covering is required.
- Nonstructural. Does not reinforce deficient subfloors or prevent cracking caused by structural movement or excessive deflection.
- Not a waterproofing membrane or vapor barrier.
- Do not exceed approved water or sand proportions. Do not add water after setting has begun.
- Do not bridge expansion, isolation, or active movement joints.
- Protect from freezing and premature loading. Use temporary load-distributing panels where heavy wheeled traffic or concentrated loads are expected.
- For applications outside the conditions described in this data sheet, consult **TECNODRY** Technical Support before installation.



STORAGE AND SHELF LIFE

Store in original, unopened packaging in a cool, dry location, protected from direct sunlight, moisture, and water. Recommended storage temperature: 50–100°F (10–38°C). Shelf life is up to 6 months from the date of manufacture when properly stored. Do not use material that has become wet or hardened

SAFETY

Read the Safety Data Sheet (SDS) before handling or use. Avoid breathing dust and contact with eyes and skin. Use adequate ventilation and wear safety glasses, protective gloves, and respiratory protection as specified in the SDS.

Mixing with water generates heat. Never use this product to make casts enclosing any part of the body.

In case of exposure, follow the first-aid instructions in the SDS.

Keep out of reach of children

LIMITED WARRANTY & TECHNICAL SUPPORT

TECNODRY warrants that **SURFACE-GYP PRO** will be free from manufacturing defects and will conform to its published technical specifications when stored, mixed, and installed according to current written instructions.

This warranty does not cover failures resulting from improper storage, incorrect mix proportions, unsuitable substrates, inadequate preparation, improper installation, excessive moisture, structural movement, or misuse. Consult TECNODRY's written Limited Warranty for complete terms, exclusions, and claim procedures.

For technical assistance, approved mix designs, installation requirements, and current product documentation, contact info@self-leveling.us or visit www.self-leveling.us

The latest versions of our technical data sheets are available at:
www.self-leveling.us | www.nivelantes.com

Refer to the Safety Data Sheet (SDS) for information on safety, handling, and emergency procedures.
[Link](#)



APPROXIMATE COVERAGE - ft² PER 80 lb BAG

Installation Thickness	1.0 ft³ sand/bag	1.2 ft³ sand/bag	1.4 ft³ sand/bag
3/4"	25.0	28.0	31.0
1"	18.8	21.0	23.3
1-1/4"	15.0	16.8	18.6
1-1/2"	12.5	14.0	15.5
2"	9.4	10.5	11.6
2-1/2"	7.5	8.4	9.3
3"	6.3	7.0	7.8



PROJECT & SUBMITTAL INFORMATION

Project Name:

Date:

Location:

Submitted By:

Applicator:

Specified Thickness:

Mix Design Reference:

Assembly / UL Design:

