



GLIDE



Technical Data and Installation Instructions

www.raecoinc.com

Description:

RAECO Glide is a very fast setting, self-curing™ ultra-smooth textured, high strength, single component, finishing compound intended for applications on vertical and horizontal surfaces. Consisting of calcium aluminate cements, RAECO Glide is an unsanded, polymer-modified, high-strength, cementitious skimming compound.

Purpose/Range of Use:

RAECO Glide is designed for smoothing and patching floors and walls on projects where an ultra smooth surface is desired and when drying time is critical. RAECO Glide may be used over concrete, masonry, plywood, approved wood underlayments, terrazzo, tile/stone and cement backer board. RAECO Glide is intended for non-structural surface repairs on both interior or exterior floors and walls.

RAECO Glide is optimally used for skim coats ranging from a true feather edge to 1/8" thickness, but may be used up to 1/2" inch. Glide can be installed up to 2" inches in small holes and well-defined divots. Glide may also be used by the professional to fill small hairline cracks and saw-cut joints. When used on floors, Glide is intended as an underlayment and should be covered with a suitable floor covering. For exterior wall finishes, sealing or painting Glide is not required. However, sealing will help to reduce the potential for surface efflorescence and penetration of stains.

RAECO recommends Buttercoat RPS, Quick Fix, or one of our Self Leveling Underlayments for floor patches over 1/8". RAECO recommends SkimWall or Sack & Patch for wall patches thicker than 1/8".

Benefits:

- Fast Setting -allows quick Installation of floor covering within 15-20 minutes
- Harder and less likely to dent. 5150 P.S.I. compressive strength.
- No primer needed (Except over gypsum.)
- Exterior-rated
- Adhesive compatible- pH of 9 after 2 hours curing.
- Dimensionally stable and non-shrink formula
- Mixes with water only

Technical Data:

Data shown is under controlled laboratory conditions. Variations due to job site conditions, temperature, humidity and other testing conditions may be experienced.

Mixing Water:

For skim coat applications:

3.5 pints per 10 lb. pail (1 U.S. pint = 16 fluid ounces)

For less than full pail:

Mix 2.5 parts powder to 1 part water

Compressive Strength (ASTM C 109):

Air Cured

4 Hrs.	1500 psi
24 Hrs.	2400 psi
7 Days	5000 psi
28 Days	5150 psi

Flexural Strength (ASTM C-348)

28 Days 1200 psi

Bond Strength (ASTM 3931)

28 Days 800 psi when bonded to properly prepared concrete.

Dimensional Stability/Shrinkage (ASTM C 1107)

.002% Expansion

Working Time:

7 minutes at 70°F (21°C)

Pot Life:

20 Minutes. Re-dispersible polymer allows the mixed product to be remixed 2-3 times, without any additional water. Remix the pail at 10-12 minutes.

Initial Set Time (ASTM C 191):

Approximately 20 minutes at 70°F (21°C)

Final Set Time (ASTM C 191):

Approximately 40 minutes at 70°F (21°C)

Coverage:

10 lbs. (4.5 kg) covers approximately 28 ft at a thickness of 1/8".

Skim coating varies from 150 to 275 SF per pail and depends largely on existing substrate profile.



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Installation:

Use a steel finish trowel to place the RAECO Glide to a properly prepared substrate forcing the material into the voids. RAECO Glide must always be covered by floor covering. A test application is recommended and is required for all extended warranties.

Surface Preparation:

For complete substrate preparation guidelines, see RAECO Substrate Preparation Instructions.

Concrete Floors:

Surface must be solid, completely clean, free of oil, wax, grease, sealers, curing compounds, asphalt, paint, dirt, loose surface material and any contaminant that will act as a bondbreaker. Weak concrete surfaces must be cleaned down to solid sound concrete by mechanical means. Acid etching or chemical cleaning is not acceptable. Expansion joints and all moving joints in the substrate must be honored through the applied underlayment.

Non-Porous Substrates:

Ceramic tile, terrazzo, quarry tile and stone must be solid, well bonded, clean and free of any bond breaking contaminate such as glazes, wax, oil, sealers etc.

Cutback and Metal Substrates:

RAECO Glide may be used over a well-bonded, non-soluble adhesive residue. Always conduct a water solubility test before applying any RAECO product. Old cut-back adhesive residues may contain asbestos; therefore NEVER sand the adhesive residue without confirmed testing from the building owner or project architect. If in doubt, please refer to the Resilient Floor Covering Institutes "Recommended Work Practices for Removal of Resilient Floor Covering" and guidelines for wet-scraping old adhesives and floor coverings.

RAECO Glide will bond to most ferrous steels, provided they are free of bond-breaking residues and rust-free. Some non-ferrous steel (such as stainless steel) may require an epoxy primer.

For additional guidance on preparing any of the above substrates, please contact RAECO Technical Services at 206-763-1335.

Mixing and Installation:

Mix only enough RAECO Glide that can be placed and finished with in 10 minutes at 70 F. Higher substrate temperatures will cause the RAECO Glide to set faster and lower temperatures will extend set times. Smaller batches can be mixed at a 2.5 part powder to a 1-part water mix ratio. Always mix with water in a pail first, adding the powder second. A full batch can be mixed by adding 3.5 pints of water to a ten-pound pail. Mix with a 350 rpm minimum mixing drill and paddle to a lump free consistency. Do not over mix or entrain additional air into the product.

Thickness:

RAECO Glide can be installed from a featheredge to ½" in one application, and up to 2" in small well-defined areas, such as joints and holes.

Curing:

RAECO Glide is self-curing. The normal process of concrete curing is not required. RAECO Glide is walkable in 20 minutes and will accept floor coverings in 20 minutes. Deeper patches and or cold temperatures may require additional dry time.

Note: RAECO Glide is cement based; Hot temperatures above 80°F will greatly reduce working time, therefore use cold water. Do not place below 40°F (4°C). Do not allow to freeze and always protect from wind, direct sunlight. Do not use fossil fuel heaters in any space prepared for underlayment or floor covering. Do not mix with admixtures. Any questions, call RAECO Technical Services at 206-763-1335.

Clean Up:

Use water to clean all tools immediately after use.

Packaging:

RAECO Glide:
10 lb. pails

Shelf Life:

9 months when stored properly in original unopened container.

Storage:

Always keeps in cool/dry place unexposed to sunlight or water. Keep opened product resealed in container.



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Precautions/Limitations:

- Do not install below 40°F (2.5°C) or above 90°F (32°C)
- Do not install over gypsum-based surfaces without using RAECO Gypsum Fortifier.
- Do not install in areas with constant or prolonged exposure to moisture.
- Not a wearing surface. Must be covered with flooring or a wear surface rated topping system.
- Do not over water, retemper, or add additional additives.
- Always install a test area to confirm suitability of RAECO Glide for the intended use. Assistance available from RAECO Technical Services, 1-877-763-1330.
- Rely upon floor covering manufacturer for directions concerning maximum allowable moisture content of subfloor, adhesive selections and required flatness tolerances. If moisture tests are required, then they must be conducted PRIOR to installation of RAECO underlayment products.
- RAECO Glide will not block pH or alkalinity migration. If pH tests are required, conduct the pH test on the existing substrate before installation of Glide.

Warnings:

- Contains Portland cement and silica sand. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water. The wearing of gloves, dust masks and safety goggles is recommended.
- In case of eye contact, flood eyes with potable water and call physician. **DO NOT RUB EYES.**
- Consult Material Safety Data Sheet for further information, or call RAECO at 1-877-763-1330.
- Do not take internally. Crystalline silica sand may cause serious lung problems. Avoid breathing dust and wear a respirator in dusty areas.
- Keep away from children and animals.

Warranty

RAECO, Specialty Cements warrants that if its products prove to have manufacturing defects and RAECO is notified of such within twelve months from the date RAECO shipped the products, RAECO will replace the defective products F.O.B. factory. Such product replacement shall constitute the sole and exclusive remedy for any claim under this warranty. RAECO does not authorize anyone, including RAECO Representatives, to make any statements that supersede, modify or supplement the information provided on its printed literature or package labels without written confirmation from the RAECO Technical Service Department. Any installations proceeding without this confirmation, or improper installations of the products, will void this warranty. Under no circumstances will RAECO be liable for economics, special, incidental or consequential damages or losses of any kind whatsoever arising out of or occasioned by selection, use installation or replacement of this product.

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