

SILPRO

RAECO SKIMWALL™

Skim Coat for Walls
Fast-Setting
Exterior Use
Polymer-modified

SILPRO, LLC / 2 NEW ENGLAND WAY / AYER, MA 01432-1514 / 800-343-1501 / 978-772-4444 / FAX 978-772-7456 / WWW.SILPRO.COM

SILPRO RAECO® SKIMWALL™ is a fast-setting, smooth-textured, high strength, single component, concrete repair compound for exterior or interior concrete walls and floors. Consisting of a uniform, premixed blend of Portland cements and select aggregates with polymer modification to promote lasting surface adhesion, **RAECO® SKIMWALL™** is used for renovation and new construction.

USE SKIMWALL FOR:

Intended for patching and skimming exterior concrete walls, CMU masonry block walls, tilt-up panels, pre-cast concrete structures, polystyrene insulation board and other cementitious substrates. **RAECO® SKIMWALL™** is formulated to be used as wall overlay skimming compound to provide a smooth, even colored, monolithic cement finish. With the proper adjustment of water, **RAECO® SKIMWALL™** can also be used for filling bug holes, honeycombs, pop-outs, inserts, recesses, brace points, chamfer spalls and reveal strip repairs.

RAECO® SKIMWALL™ may be used on horizontal concrete in foot traffic applications, as long as it is properly sealed.

RAECO® SKIMWALL™ may be used for interior applications over all suitable flooring materials except unprimed drywall or gypsum-based underlayments.

RAECO® SKIMWALL™ is intended for multi-purpose repairs and is also formulated as a floor covering underlayment.

RAECO® SKIMWALL™ can be applied from a featheredge to ½" (1.27 cm) in thickness, and up to 2" (5.08 cm) with the addition of #16 (1.180 mm) silica sand.

RAECO® SKIMWALL™ is designed for smoothing and patching walls on projects where an ultra smooth surface is desired in a short amount of time and true concrete color is desirable. **RAECO® SKIMWALL™** may be light rubbed with a damp sponge after 45 minutes, or sanded after 90 minutes.

ADVANTAGES

- Fast Setting allows painting or sealing within 60 minutes
- Strong. 4500 P.S.I. compressive strength
- No primer needed. Polymer modified, strong bonding and high flexural strength
- Install in a single lift from a featheredge to ½" deep
- Sandable after 90 minutes
- Forgiving. Self-healing polymers minimizes trowel lines
- Longer working time. Maintains workability for 30 minutes at 70°F (21°C)
- Permanent. **RAECO® SKIMWALL™** is a REAL Portland™ cement product and meets ASTM C-150
- **4 Shades of Gray™** to match Northwest concrete colors
- Very smooth. No large sand aggregates
- Mixes with water only

TEST DATA

Compressive Strength (Air Cured):

ASTM C109 28 days 4500 psi

Flexural Strength: 28 days 1200 psi
ASTM C348

Bond Strength: 28 Days 500 psi
ASTM 3931 when bonded to properly prepared concrete.

Working Time: 30 minutes at 70°F (21°C)

Pot Life: 45 Minutes.
Re-dispersible polymer allows the mixed product to be remixed 2-3 times, without any additional water.

Initial Set Time: Approximately 45 minutes
ASTM C191 at 70°F (21°C)

Final Set Time: Approximately 60 minutes
ASTM C191 at 70°F (21°C)

SURFACE PREPARATION

Concrete Walls:

Surface must be solid, completely clean, free of oil, wax, grease, sealers, curing compounds, efflorescence, paint, dirt, loose surface material and any contaminant that will act as a bond breaker.

Weak concrete surfaces must be cleaned down to solid sound concrete by mechanical means. Acid etching or chemical cleaning is not acceptable.

Expansion joints, panel joints and all moving joints must be honored.

Metal Substrates:

RAECO® SKIMWALL™ 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 Silpro Technical Services at 1-800-343-1501.

For Customer Service, Call Silpro at 1-800-343-1501

MIXING

Mix only enough **RAECO® SKIMWALL™** that can be placed and finished within 15 minutes at 70°F (21°C). Higher substrate temperatures will cause the **RAECO® SKIMWALL™** to set faster and lower temperatures will extend set times. Smaller batches can be mixed at a 3 parts powder to 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 2.0 quarts of water to a fifteen-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.

Mixing Water:

For skim coat applications: Mix 2.0 qts. per 15 lb. pail, or mix 3.3 qts. per 25 lb. bag. For smaller batches, use a mix ratio of 3 parts powder to 1 part water can be used.

For thicker patching applications and filling small well-defined voids: Mix 1.8 quarts per 15 lb. pail, or mix 3qts. per 25 lb. bag. For smaller batches, a mix ratio of 2.75 parts powder to 1 part water.

APPLICATION

RAECO® SKIMWALL™ can be installed from a featheredge to 1/2" in one application. **RAECO® SKIMWALL™** may be installed up to 2" inches with the addition of #16 silica sand.

CURING

RAECO® SKIMWALL™ is self-curing. The process of concrete curing is not required. **RAECO® SKIMWALL™** is walkable in 45 minutes and will accept floor coverings in 60 minutes. Deeper patches may require additional dry time.

Note: **RAECO® SKIMWALL™** is cement based; therefore follow ACI rules of concrete work regarding warm and cold weather placement procedures. Hot temperatures above 85°F will reduce working time, therefore use cold water. Cold weather (below 55°F) will have a retarding effect on set times, therefore it will be beneficial to store **RAECO® SKIMWALL™** in a warm building and use lukewarm mix water. Do not place below 45°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 cement products, paint or floor coverings. Do not mix with admixtures unless given written direction from Silpro. Any questions, call Silpro Technical Services.

COVERAGE

Skim coating varies from 150 to 275 SF per 15 lbs. (8.0 kg) depending on existing substrate profile.

For Thickness of 1/8 inch depth:

15 lbs. (8.0 kg) covers approximately 38 square ft

CAUTION!

SILPRO offers products that may contain cement, latex, epoxy, and other chemicals. Please review the Safety Data Sheet before the use of this product.

CLEAN UP

Use water to clean all tools immediately after use.

LIMITATIONS

- Do not install below 45°F (4°C) or above 100°F (38°C)
- **RAECO SkimWall** is NOT intended to be used over wood in any exterior application. Never use SkimWall as an anchoring material for inserts, dowels or anchor bolts. Never used over gypsum-based materials.
- Do not install over gypsum based surfaces or drywall.
- Do not over water, retemper, or add additional additives.
- Always install a test area to confirm suitability of **RAECO® SKIMWALL™** for intended use. Assistance available from Silpro Technical Services, 1-800-343-1501.

PACKAGING

15 lb. pails

25lb bags

STORAGE

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

SHELF LIFE

2 years when stored properly in original unopened container.

GUARANTEE

Please call Silpro LLC for copy of guarantee.

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