

# SILPRO

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## RAECO® FEATHER SPREAD RPS™

Single Component  
Uniform  
Premixed Blend  
Polymer-Modified  
Lasting Surface Adhesion

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FEATHER SPREAD RPS™ is a fast-setting, smooth textured, high strength, single component, concrete repair compound for floors and concrete walls. Consisting of a uniform, premixed blend of Portland cements and select aggregates with polymer modification to promote lasting surface adhesion, it is used for renovation and new construction. FEATHER SPREAD RPS™ is for multi-purpose repairs and is specially formulated as a floor covering underlayment. FEATHER SPREAD RPS™ can be applied from a feather edge to ½" in thickness (12.7 mm) or can be mixed with 5 pounds of #16 silica per pail for ramps up to 2". FEATHER SPREAD RPS™ may be used as a wall skimming compound to provide a smooth, even-colored, monolithic cement finish. With the proper adjustment of water, FEATHER SPREAD RPS™ may also be used for filling bug holes, honeycombs, pop-outs, inserts recesses, brace points, chamfer spalls and reveal strip repairs.

### USE RAECO FEATHER SPREAD RPS™ FOR

- FEATHER SPREAD RPS™ is designed to smooth out uneven subfloors.
- FEATHER SPREAD RPS™ can be used by the professional to fill in cracks, depressions, and level out ridges to accept new floor covering.
- Install FEATHER SPREAD RPS™ over concrete, terrazzo and cement backer substrates.
- FEATHER SPREAD RPS™ is designed for leveling floors on projects where a smooth surface is desired in a short amount of time.
- For deeper fill areas please refer to Quick Fix™ or our Self Leveling Underlayments. For vertical repairs exceeding 1" inch, use SILPRO REPAIR™ VOH.

### ADVANTAGES

- Quick Installation of floor covering
- Fast setting
- Compressive strength over 4500 P.S.I.
- No large sand aggregates, very smooth
- Exterior rated
- Mixes with water only
- Polymer modified, strong bonding
- Installable from a featheredge to ½"
- Non-shrink / no dusting
- Maintains workability for 20 minutes at 70°F (21°C)
- Not a gypsum based product
- No priming needed
- Adhesive compatible
- Contains no protein additives

### TEST DATA

Data Shown is under controlled laboratory conditions. Variations due to job site and other testing conditions may be experienced.

#### Mixing Water:

**For skim coat and general patching applications:** Use 2 to 2.2 quarts per 15 lb. pail. Or, alternatively, a mix ratio of 3 parts powder to 1 part water may be used for smaller batches.

**For Non-Sag consistency on vertical applications, and thicker floor sloping applications:** Use 1.8 to 2.0 quarts per 15 lb. pail. Alternatively, a ratio of 3.25 parts powder to 1 part water may be used for smaller batches.

**Bond Strength (ASTM 3931):** 28 Days: 500 psi  
when bonded to concrete with a CSP of 3 to 5.

**Working Time:** 20 minutes at 70°F (21°C)

**Initial Set Time (ASTM C 191):** Approximately 35 minutes at 70°F (21°C)

**Final Set Time (ASTM C 191):** Approximately 60 minutes at 70°F (21°C)

### SURFACE PREPARATION

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

**Concrete Floors:** Surface must be solid, completely clean, and free of oil, wax, grease, sealers, curing compounds, asphalt, 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 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. Surfaces must be mechanically abraded until a "profile" is obtained for the maximum bonding of FEATHER SPREAD RPS™.

**Cutback and Metal Substrates:** FEATHER SPREAD RPS™ may be used over a well-bonded, non-soluble adhesive residue. Always conduct a water solubility test before applying any SILPRO product.

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

## SURFACE PREPARATION CONTINUED

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 guidelines for “wet-scraping” old adhesives and floor coverings.

**FEATHER SPREAD RPS™** 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. Consult SILPRO Technical Services for confirmation.

**Plywood and Approved Wood underlayments:** **FEATHER SPREAD RPS™** may be used to skim joints, fill holes and smooth out grain patterns over clean plywood and other wood underlayments that are approved by the flooring manufacturer.

## MIXING

Mix only enough **FEATHER SPREAD RPS™** that can be placed and finished with in 15 minutes at 70°F. Higher substrate temperatures will cause the **FEATHER SPREAD RPS™** to set faster and lower will extend set times. Smaller batches can be mixed at a 3-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 2 qt. 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.

## APPLICATION

Use a steel finish trowel to place the **FEATHER SPREAD RPS™** to a properly prepared substrate forcing the material into the voids. **FEATHER SPREAD RPS™** has no minimum thickness. A test application is recommended.

**Thickness:** **FEATHER SPREAD RPS™** can be installed from a featheredge to 1" in one application. **FEATHER SPREAD RPS™** may be installed up to 2" inches with the addition of #16 silica sand.

In vertical applications, **FEATHER SPREAD RPS™** may be used up ½" in a single lift, and up 1" total thickness

**Sanding:** If sanding **FEATHER SPREAD RPS™** is necessary, use 120 grit or higher sand paper. Do NOT use any sandpaper more aggressive than 100 grit.

## CLEAN UP

Use water to clean all tools immediately after use.

## CURING

**FEATHER SPREAD RPS™** is self-curing. For exterior applications, it may be advisable to use standard curing procedures, such as tarps. **FEATHER SPREAD RPS™** is walkable in 60 minutes and will accept floor coverings in as little as two hours.

**Note:** **FEATHER SPREAD RPS™** is cement-based product; 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 use room temperature water. Do not place below 40°F (4°C), protect from freezing, wind, direct sunlight and do not mix with admixtures. Any questions call SILPRO Technical Services.

## APPROXIMATE COVERAGE

15 lbs. covers approximately 37 ft² at a thickness of ⅛".

## STORAGE

Always keeps in cool/dry place unexposed to sunlight and tightly reseal container.

## SHELF LIFE

2 years

## PACKAGING

15 lb. pails and 25 lb. bags

## LIMITATIONS

- Do not install below 40°F (4°C) or above 85°F (29°C)
- Do not install over gypsum based surfaces
- Not a wearing surface. Must be covered with flooring or a topping system
- Do not over water, retemper, or add additional additives
- Always install a test area, insuring suitability of **FEATHER SPREAD RPS™** for intended use. Assistance available from SILPRO upon request.
- Rely upon floor covering manufacturer for directions concerning maximum allowable moisture content of subfloor, adhesive selections and required flatness tolerances.

## 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.

## GUARANTEE

Please call Silpro LLC for copy of guarantee.

The logo for SILPRO, featuring the word "SILPRO" in a large, bold, black, sans-serif font. The letters are slightly shadowed, giving it a three-dimensional appearance as if it's sitting on a surface.