

# SILPRO

## RAECO® R-25™

Latex Mortar Underlayment  
Two Component  
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® R-25™** is a two component, concrete repair and topping compound consisting of a uniform, premixed blend of portland cements and graded washed silica aggregates with a liquid latex modifier to promote lasting surface adhesion, for renovation and new construction. **RAECO® R-25™** can be applied from feathered edge to any depth, for thickness greater than 1/2" (12.7 mm) use appropriate aggregate. **RAECO® R-25™** is a fine textured underlayment especially formulated for linoleum, vinyl, carpet and other finished floor products. **RAECO® R-25™** is used for horizontal surfaces. Intended for interior use, **RAECO® R-25™** can be sanded to a very smooth finish. **RAECO® R-25™** contains no gypsum, chlorides, ferrous metals or corrosive agents.

### USE RAECO® R-25™ FOR:

- Underlayment for all finished floor products
- Horizontal applications
- Filling holes, cracks and spalled areas
- Elevation transitions
- Leveling or creating pitch to drains
- Rained out or freeze damaged slabs
- Areas with varying weather cycle

### ADVANTAGES

- Compatible with most floor adhesives
- Freeze-thaw resistant
- Smooth or broom finish achievable
- Horizontal application
- Fire Retardant
- Non-toxic
- Corrosion Resistant
- U.S.D.A. approved

### TEST DATA

<b>Compressive Strength:</b> ASTM C109	7 days 3320 psi 28 days 4045 psi
<b>Tensile Strength:</b> ASTM C190	28 days 750 psi
<b>Flexural Strength:</b> ASTM C256	28 days 1600 psi
<b>Shear Bond:</b> Dow Test Method	7 days 650+ psi
<b>Flame Spread:</b>	0
<b>Fuel Contribution:</b>	0
<b>Smoke Development:</b>	0

### SURFACE PREPARATION

Surfaces to be covered must be structurally sound, clean and free of dust, oil, grease, sealers, curing compounds, laitance, release agents or other surface contaminants. For smooth surfaces, we recommend mechanical abrasion to achieve an acceptable surface profile. The cleaning and preparation method selected depends on both the sub-floor material and its condition. Acid etching is not recommended. For optimum adhesion, mix **RAECO® R-25™** powder with the **RAECO® R-25™** latex to a slurry consistency and brush thoroughly into the area to be covered. **RAECO® R-2000™** may also be used as a bonding medium. **DO NOT USE RAECO® R-25™ LATEX AS A BONDING AGENT.**

### MIXING

**RAECO® R-25™** is mixed by adding **RAECO® R-25™** latex binder at a rate of approximately .9 gallons (3.41 liters) of latex binder for each 45 lb. bag of dry powder. More or less latex binder may be added to obtain the desired consistency, but do not exceed 2 gallons (7.58 liters) of latex binder for each 45 lb. bag of **RAECO® R-25™**. The latex binder should be added to the mixing container first, then the **RAECO® R-25™** powder, followed by the appropriate aggregate (when used). Using a mixing paddle (a whip type is recommended) with a low speed drill (400 to 500 rpm), mix thoroughly (2 to 3 minutes) until the powder has been completely dispersed and the mix has acquired a smooth homogeneous texture. Do not add more latex binder once **RAECO® R-25™** has started setting up. The pot life of the mix averages about 30 minutes and working time 30 to 45 minutes, depending on the temperature. It is recommended to mix only the amount of **RAECO® R-25™** that can be applied within that amount of time.

### APPLICATION

Apply the **RAECO® R-25™** mixture with a trowel or straight edge, trowel to desired texture, on the prepared surface. Should a broom finish be desired, do so immediately after placement. Do not add or spray latex binder onto the surface for finishing - it may cause the surface to blister or spall. Rough spots or trowel marks may be sanded off the surface, using a medium to fine grit sandpaper after **RAECO® R-25™** has set up. Sanding should be accomplished after the appropriate time of curing has occurred, normally over night.

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

## APPLICATION CONTINUED

Allow an adequate curing time before applying a sealer, use a water based concrete sealer (surface or penetrating). Before installing any finished floor products, make sure to follow the adhesive manufacturer's recommendations.

When RAECO® R-25™ is to be applied on surfaces other than concrete (i.e., wood, metal, terrazzo, gypsum underlayments, etc.), consult Silpro's Technical Service Department for recommended preparation, bonding, and application procedures.

## LIMITATIONS

RAECO® R-25™ should only be applied over substrates that are between 40° and 90°F. (4.4° and 32.2°C.) Do not apply in the rain, and do not allow to freeze before curing has taken place. When applying RAECO® R-25™ to thickness greater than 1/2" (12.7 mm), bulk the mix with the appropriate type and amount of aggregate (refer to Coverage Section).

## PACKAGING

- 45 lb. bags (20.25 kg.) (40 bags per pallet)
- 1.2 gallon container (4.55 liters)
- 5 gallon pail (18.9 liters)
- 50 gallon drum (189.5 liters)

## APPROXIMATE COVERAGE

**45 lb. bag:** 45 sq. ft. (4.14 m<sup>2</sup>) @ 1/8" (3.18 mm)

### Bulked with #8 Silica sand:

45 lb. bag: 16.88 sq. ft. (1.55 m<sup>2</sup>) @ 1/2" (12.7 mm)

### Bulked with 3/8" pea gravel:

45 lb. bag: 8.16 sq. ft. (.75 m<sup>2</sup>) @ 1" (25.4 mm)

### For Thickness:

**1/2" to 1":** use #8 silica sand @ 25 lbs. (11.25 kg) per bag

**1" & up:** use 3/8" pea gravel @ 25 lbs. (11.25 kg) per bag

The values presented are typical averages and are intended to serve as a guide only.

## CAUTION!

RAECO® R-25™ contains portland cement and silica sand. Use of a dust respirator, safety goggles and rubber gloves are recommended. In case of contact with eyes, immediately flush with water and consult a physician. Avoid hazards by following all precautions found in the Material Safety Data Sheet (MSDS), product labels and technical literature. Please read this information prior to using product.

**KEEP OUT OF THE REACH OF CHILDREN.  
DO NOT TAKE INTERNALLY.**

**See Material Safety Data Sheet for detailed information.**

Dispose of in accordance with local, state, or federal regulations. In case of a medical emergency or for information regarding spillage clean up or disposal call **INFOTRAC: 800-535-5053.**

## GUARANTEE

Please call Silpro LLC for copy of guarantee.

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