

SILPRO

MASCO™ MESH SYSTEM FLOOR STABILIZATION SOLUTION

High Performance Substrate Repair System

Calcium Aluminate Cement-Based

Fiberglass Mesh Reinforced

Polymer-Modified

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Silpro Masco™ Mesh System is a high performance, polymer-modified, fiberglass mesh reinforced, Calcium Aluminate cement-based substrate repair system designed to go over existing damaged or cracked concrete, cement screed, cinder fill, and gypsum substrates. This system creates a new substrate for the installation of floor coverings.

ADVANTAGES

- Calcium Aluminate cement-based
- Polymer modified
- Fiberglass Mesh reinforced
- Reinforces old, damaged and unsound substrates
- Creates new substrate for the installation of floor coverings
- Hardens Gypsum
- Resists Substrate Cracking
- Stabilizes Cinder Screed Substrates
- Strengthens Unsound and Punky Substrates

SURFACE PREPARATION

Remove all bond-inhibiting materials such as dust, latex, oil, grease, asphalt cut-back, adhesive, etc. Additionally, remove all loose and friable concrete or gypsum. Vacuum the surface to remove all remaining dust.

Rout all major cracks to approx. 3/4" deep and 3/8" wide and fill with epoxy crack filler with broadcast sand (spread sand while epoxy is still wet). Allow to dry to manufacturer's specifications. **Note: The project engineer must be consulted prior to the treatment of all cracks.**

Brush off and vacuum all remaining loose sand.

APPLICATION OF TROWEL-APPLIED MESH COAT

Flood the cleaned floor with **C-21™ All Acrylic** diluted 1:1 with water (to "flood" means to pour approx. 1/8" of **C-21™ All Acrylic** and let it soak into the substrate). Puddles may be moved with a soft push broom or brush. Allow the **C-21™** to dry for at least 3 hours and until clear. Flood the floor with a second coat of **C-21 All Acrylic™** undiluted and allow the **C-21™** to dry for at least 3 hours and until clear. Note: **Silpro** may require additional coats of **C-21 All Acrylic™** depending on the porosity and/or strength of the substrate.

Patch any areas of the floor where the cement screed topping was removed that are less than 4 square feet with **Silpro's Fastcrete™**. If the cinder fill under the cement screed is loose you must compact the fill. The cinder fill must be non compressible. Compact the cinder fill with hand rollers only. Patch areas that are less than 4 square feet with **Silpro's Fastcrete™**. For areas that are greater than 4 square feet make sure that the total depth of the full application (**Mascrete®**, **Masco/Mesh™**, and **Silflo™**) will be at least 2" inches. Mix the **Mascrete®** and apply at least 1/2" inch thick. Embed a layer of fiberglass, open-weave mesh into the wet **Mascrete®**. Overlap all mesh at least 2". With a trowel, starting in the middle and working towards the edges, force the mesh into the **Mascrete®**. Top off with a 1/8" layer of **Mascrete®** to fully embed the mesh. Allow the **Mascrete®** to dry for a minimum of 24 hours.

For areas where the cement screed is intact, mix **Masco™** (or **Fasco™**) according to instructions. Apply **Masco™** (**Fasco™**) at 1/8" thick over substrate. Embed a layer of fiberglass, open-weave mesh into the wet **Masco™** (**Fasco™**). Overlap all mesh at least 2". With a trowel, starting in the middle and working towards the edges, force the mesh into the **Masco™** (**Fasco™**). Top off with a 1/8" layer of **Masco™** (**Fasco™**) to fully embed the mesh. Allow 12 hours to dry for **Masco™** (allow minimum of 4 hours drying time for **Fasco™**). Minimum thickness of the finished mesh coat must be 1/4".

APPLICATION OF SELF-LEVELER TOPCOAT

Prime the surface with **Silflo™ Primer** diluted 1:2 with water (2 parts water to 1 part primer). Allow the primer to dry to a clear, transparent film (minimum of 3 hours, maximum of 48 hours).

Mix and pour the **Silflo 230™** according to instructions. Allow to dry overnight.

For any minor touch up and for transitions between pours of **Silflo 230™** apply **Silpro's Skim Pro™** skim coat prior to the application of the finished floor covering.

LIMITATIONS

- For interior applications only.
- Apply only when surface and ambient temperatures will be 50°F and above for 12 hours and maintain this temperature for 24 hours after application.
- Adding excess water will result in surface whitening and bonding issues.
- To determine the suitability of the substrate surface for adhesion and the finish for appearance including texture and color, install a 10'x10' test patch at the maximum designed thickness using the techniques, equipment, and materials to be used, for approval by the owner, architect, or contractor prior to proceeding with the job.
- All control and expansion joints must be carried through.
- Concrete must be a minimum of 7 days old (14 days for lightweight concrete).
- Do not re-temper.
- Do not expose to chemical attack.
- Do not expose to freeze/thaw conditions.
- Substrate temperature must be 50° F. or above.
- For temperatures higher than 90° F. consult **Silpro's** Technical Service Dept.

WAITING PERIOD BEFORE APPLICATION OF COVERING

Most thin-set mortar applications or floor coverings that are not moisture sensitive may be placed in 12 - 16 hours after the application of **Silflo 230™**. Moisture sensitive floor coverings may be installed in 48 - 72 hours after the application of **Silflo 230™** hours for thin applications, however longer periods may be required for thick applications. Drying time will depend on a number of factors including temperature and relative humidity. Test the substrate prior to floor installation to insure that it meets moisture and other requirements specified by the flooring manufacturer.

STORAGE

Store all products in a cool dry place. Temperature should range between 50 - 90°F. Keep out of direct sunlight. Precondition to 70°F +/- 5° prior to using.

CAUTION!

Silpro cement-based underlayments and repair mortars contain Portland cement and Crystalline Silica. Avoid contact with eyes and skin. Avoid breathing dust. Use with adequate ventilation. The use of a NIOSH/MSA approved dust respirator, goggles, and resistant gloves is recommended. In case of contact with eyes, flush with water for 15 to 20 minutes.

In case of contact with skin wash with soap and water. Get medical attention if irritation persists.

See Material Safety Data Sheet for detailed information.

FOR COMMERCIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION.

Dispose of in accordance with local, state, and federal regulations.

In case of a medical emergency or for information regarding spillage clean up or disposal call INFOTRAC: 800-535-5053.

GUARANTEE

Silpro LLC guarantees that their products are made of the finest raw materials under exacting care to produce products of the highest quality and will perform as stated when used in accordance with the manufacturer's printed instructions. Improper mixing, incorrect application or other factors beyond the control of the manufacturer may produce unsatisfactory results and can not be held to be the manufacturer's responsibility. **Silpro** accepts no responsibility beyond the purchase price of the **Silpro** product used. For further product information consult your local dealer or call **Silpro LLC** at: 800-343-1501; 978-772-4444; FAX 978-772-7456.



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