FLO-COAT® CONCRETE RESURFACER

SINCE SAKRETE™ 1936

♦ The Pro's Choice Since 1936

Sakrete® Flo-Coat® Concrete Resurfacer is a polymer modified concrete resurfacing material requiring only the addition of clean potable water. For resurfacing concrete substrates. Can be applied in a flowable consistency using a squeegee, in a stiffer consistency using a trowel or can be sprayed through a hopper gun

Features:

- 1/2" (12.7 mm) down to a featheredge
- Excellent bond to old concrete no primer needed
- Open to light foot traffic in 4 hours
- Interior/exterior applications
- Can be color pigmented with the Sakrete Cement Colors
- Superior abrasion resistance
- Can be used with paper concrete stencils for decorative concrete surfaces.

Use For:

- Resurfacing concrete slabs
- Applying a decorative finish to concrete slabs

Yield/Water/Coverage:

Bag Size	Yield	Coverage	Water
20 lb (9 kg)	0.2 ft^3 (.001 m^3)	9 ft^2 (0.8 m^2) at 1/4" (6.3 mm) thick 36 ft^2 (3.3 m^2) at 1/16" (1.6 mm) thick	1.75 qt (1.7 L)
40 lb (18.1 kg)	0.4 ft^3 (.011 m^3)	18 ft^2 (1.6 m^2) at 1/4" (6.3 mm) thick 72 ft^2 (6.4 m^2) at 1/16" (1.6 mm) thick	3.5 qt (3.3 L)

See Calculator on Sakrete.com for additional assistance.
Yield and water are approximate.

Technical Data:

Compressive Strength ASTM C109
1 day = 1,000 psi (6.9 MPa)
7 day = 3,000 psi (20.7 MPa)
28 days = 4,500 psi (31.0 MPa)

DIVISION 3
Concrete Topping – 03 53 00

Color:

Gray

Preparation/Application:

For best results all materials should be stored between 50°F (10°C) and 80°F (27°C) 24 hours prior to installation.

For a successful project, proper preparation is required:

1. Use only when the product, air, and surface temperatures are above 50°F (10°C) for a minimum of 24 hours.
2. Remove all loose and foreign materials such as sealers, paints, curing compounds, or glues that will interfere with bonding. The existing substrate must be sound, solid, and clean. A 2,500 psi pressure washer will remove most contaminates.
3. Prior to application fill any cracks larger than 1/8" (3.2 mm) using Flo-Coat mixed to a trowel grade consistency.
4. Dampen concrete surface bringing it to a SSD (Surface Saturated Dry) condition before application of the material.
5. DO NOT USE A BONDING AGENT.
6. Pour the mixed material onto the surface and spread with a long handled squeegee.
7. If squeegee marks are evident drag a soft bristle broom/brush through the material immediately after using the squeegee. If done when the Flo-Coat is still fluid, this will evenly blend the material together.
8. Do not allow material to spill into expansion and control joints as the integrity of the joints must be maintained.

Finishing:

1. No additional troweling or finishing is required
2. If a broom finish is desired, brush with a soft bristle broom pulling in one direction.

For colored base coat applications:

1. Mix the Sakrete Flo-Coat as directed in the mixing section. For color follow the Sakrete Cement Color mixing instructions adding the cement color pigment to the Flo-Coats mixing water.
2. After properly preparing the substrate and bringing it to an SSD condition pour the mixed material onto the surface and spread with a long handled squeegee. If squeegee marks are evident drag a stiff bristle broom through the material immediately after using the squeegee. If done with the Flo-Coat still fluid, this will evenly blend the material together.
3. Do not allow material to spill into expansion and control joints as the integrity of the joints must be maintained.
4. Allow the Sakrete Flo-Coat to dry for 4 to 8 hours depending on the temperatures and conditions before laying the stencil.

Spray Applications:

Required equipment

- Sakrete Flo-coat
- Sakrete Cement Colors (optional) for use in coloring base coat or sprayed coat
- Squeegee (If knock down look is desired)
- Decorative concrete stencils and Adhesive Putty
- Spray Hopper Gun (modified with a 1 ½ inch rubber elbow)
- Air compressor (purchase or rent) – minimum 6 gallon

1. Surface preparation must be completed as published in the preparation section of this Technical Data Sheet. Follow the instructions under mixing if a colored grout joint is desired. Allow to dry as recommended before placing the decorative concrete stencil.
2. Attach the decorativeconcrete stencil to the surface using small amounts of the supplied adhesive putty to help keep the stencil in place as needed. This will only need to be done in the areas that are not lying close to the surface. Minor lifting is acceptable since the weight of the material during spraying

will push the stencils flat to the surface. The Decorative Concrete Stencils are designed to lap next to each length allowing for the width needed.

3. Once laying the Decorative Concrete Stencil is completed mix the Sakrete Flo-Coat per mixing instructions. You may also color this material if a specific color is desired. Sakrete Cement Colors can be used but must be mixed in the water first followed by pouring in the dry material.
4. Once mixing is completed add the material to the spray gun hopper, begin spraying in a circular motion over the stencil holding the hopper gun waist high (approximately 4 ft). Working your way backwards, apply a thin layer of material over the surface. Caution should be taken to lift your feet while walking across the stencil to prevent getting your foot caught and pulling or tearing the stencil.
5. Multiple coats may be needed to obtain the texture desired. Work in sections allowing each coat to dry enough to support the previous layer before re-spraying over it. This will keep you from walking in freshly sprayed material.
6. Each layer can be a different color if multiple tones are desired however caution should be taken to keep each additional coating light so the base coat is not completely covered.
7. Do not allow material to spill into expansion and control joints as the integrity or the joints must be maintained.
8. Allow a few minutes to set if the knock down look is desired before lightly troweling the surface with a flat steel trowel.
9. Begin removing the Decorative Concrete Stencil before the Flo-Coat dries. DO NOT ALLOW THE MATERIAL TO DRY BEFORE REMOVING THE STENCIL or it will become very difficult to remove and tear leaving dry pieces behind. These pieces can also stick to the finished stenciled areas becoming unsightly. It is recommended that 2 people remove the stencil jointly to assure it is taken up evenly.

Refer to:
- ACI 305R Guide to Hot Weather Concreting
- ACI 306R Guide to Cold Weather Concreting

Mixing:

1. When using Sakrete Cement Colors add the color to the water first.
2. Add the clean potable water (see table above for water amounts) into an empty 5 gallon pail.
3. Empty contents of Sakrete Flo-Coat Concrete Resurfacer into the 5 gallon pail.
4. Using a power drill and a mortar or paint mixing paddle mix for a maximum of 3 minutes to achieve a workable mix.
5. Let material sit for 1 minute, then finish mixing to a lump free pourable consistency.
6. Mix adding additional water as needed but AVOID A SOUPY MIX.
7. Excess water reduces strength and durability and can cause cracking, dusting or scaling.

NOTE: The addition of cold water at high temperatures or warm water at low temperatures will aid in adjusting the mix temperature.

Curing:

1. Proper curing is critical for sound results. Curing means maintaining proper moisture and temperature. The material must be kept continuously moist for several days.
2. Covering the material with plastic is a practical way to help retain moisture. Place plastic after material has set.
3. If surface begins to appear dry remove the plastic moisten the surface and replace the plastic.
4. New repaired areas can be opened to foot traffic in 4 hours.
5. Keep from freezing for 48 hours.

Precautions:

Air, mix and substrate temperatures should be between 50°F (10°C) and 90°F (32°C) and no rain in the forecast within 24 hours of application. For applications outside this range of temperatures and conditions, contact Sakrete Technical Service.

- Colder temperatures or higher humidity conditions will retard set times.
- Do not apply over concrete that is cured less than 7 days.
- Use only clean mixing container and tools.
- Do not overwater or retemper.
- Do not add any materials other than clean potable water.

NOTE: Proper application and installation of all Sakrete products are the responsibility of the end user.

Safety:

READ and UNDERSTAND the Safety Data Sheet (SDS) before using this product. WARNING: Wear protective clothing and equipment. For emergency information, call CHEMTREC at 800-424-9300 or 703-527-3887 (outside USA).
KEEP OUT OF REACH OF CHILDREN.

Limited Product Warranty:

The manufacturer warrants that this product shall be of merchantable quality when used or applied in accordance with the manufacturer's instructions. This product is not warranted as suitable for any purpose other than the general purpose for which it is intended. This warranty runs for one (1) year from the dates the product is purchased. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE DURATION OF THIS WARRANTY. Liability under this warranty is limited to replacement or defective products or, at the manufacturer's option, refund of the purchase price. CONSEQUENTIAL AND INCIDENTAL DAMAGES ARE NOT RECOVERABLE UNDER THIS WARRANTY.

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