PRODUCT DATA

600GL Coatings Remover (Formerly SOY•Gel™ Paint and Urethane Remover)

Franmar's most-asked-for product, **600GL**, continues to impress contractors with its ease of use and powerful removal properties. With three times the coverage rate of traditional petroleum removers, **600GL** effectively removes multiple layers of topical sealers, acrylics, enamels, urethanes, latex, some epoxies, and other single-component coatings. Made with soybeans, **600GL** is a safe, low-odor, non-caustic, green coating remover.

As a leading innovator in green cleaning products, Franmar Chemical, Inc. introduced **600GL** as a soy based paint remover, and changed the industry. **600GL** is 100% biodegradable, practically odorless, and is safe for your hands, your work, and your customers.

Coverage:
Coverage per square foot varies depending on type and age of coating, number of layers and method of application.
Horizontal: Average coverage is 125 sq ft per gallon (max 200 sq ft per gallon)
Vertical: Average coverage is 75 sq ft per gallon

Test Area:
Due to variances in surfaces and conditions, always test in a small, inconspicuous area before using on complete project.

Application:
Apply a thick layer of **600GL** by pouring, brushing, squeegee, or commercial airless sprayer. Applying too thin will cause **600GL** to dry out before removal is complete. Use a scraper to check if the coating is softened down to the surface. If not, wait longer and recheck. When the coating is completely softened, remove with a scraper.

Clean Up:
Use **BLUE BEAR 700DG Degreaser** or water and a scrub brush, mop, or power washer to clean remaining thin residue. Remove excess coating(s) and **600GL** before usng a power washer for final cleaning. Allow surface to dry before further preparations.

Usage Tips from the Pros:
- For large application areas, use a professional airless sprayer or a 4-stage HVLP sprayer.
- For tough coatings or numerous layers, use a notched ½" squeegee or ¼" gauge rake. Square footage will be greatly reduced.
- When used outdoors, cover with a 2mil or thicker plastic to help keep **600GL** wet and working.

Biodegradable: Meets or exceeds ASTM standards

Precautions: Concrete surfaces may darken with use of **600GL**. Protect plants and vegetation with a plastic drop cloth. Always use care to prevent overspray from getting on surfaces other than the one being prepped or cleaned.

Warnings: May cause skin irritation. May cause eye irritation. May cause respiratory irritation or may cause drowsiness and dizziness. May be harmful if swallowed. This product contains a chemical known to the state of California to cause birth defects or other reproductive harm. Keep out of reach of children.

Flash Point Above 200ºF (93.3ºC)

pH Level 8.1 pH of 1/10 wt/wt solution in soft water

VOC (Volatile Organic Compounds) 49%, 4.249 lb/g, 509 g/l
California and OTC Compliant

Ingredients: N-Methyl Pyrrolidone, Dibasic Ester LVP, Soy Ester, Proprietary Thickening and Surfactant Blend

Safe for Use On: Concrete, masonry, wood, and metal

Do Not Use On: PVC, drywall, liimestone, plastic, veneer, terrazzo tile, or rubber

NON-EMERGENCY
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Application:
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Clean Up:
Use BLUE BEAR 700DG Degreaser or water and a scrub brush, mop, or power washer to clean remaining thin residue. Remove excess coating(s) and 600GL before using a power washer for final cleaning. Allow surface to dry before further preparations.

Usage Tips From The Pros:
For large application areas, use a professional airless sprayer or a 4-stage HVLP sprayer.
For tough coating or numerous layers, use a notched 1/2" squeegee or 1/4" gauge rake. Square footage will be greatly reduced.
When used outdoors, cover with a 2mil or thicker plastic to help keep 600GL wet and working.

Coverage:
Coverage per square foot varies depending on the type and age of coatings, number of layers, and method of application.
Horizontal: Average coverage is 125 sq. ft. per gallon (max 200 sq. ft. per gallon)
Vertical: Average coverage is 75 sq. ft. per gallon

Safe for use on: Concrete, masonry, wood, and metal

pH Level: 8.1

VOC (Volatile Organic Compounds) 49%, 4.249 lb/g, 509 g/l

FAQ's:
Q: Will 600GL dry out if left on for long periods of time?
A: Generally 600GL will not dry out quickly if left on for long periods of time. If it is left in direct sun light, hot or windy environments, this will accelerate the product drying out. Using a thin mil plastic, and laying it lightly over the product will help keep it moist and working for long periods of time.

Q: How much coverage will I get?
A: Coverage is hard to estimate sometimes without doing a test area. Coverage per square foot varies depending on the type and age of coatings, number of layers, and method of application. Average coverage is estimated at 125 sq. ft. per gallon for horizontal surfaces and 75 sq. ft. for vertical surfaces.

Q: Will 600GL remove epoxy coatings?
A: 600GL will remove some epoxy and other two part coatings. We suggest doing a test area before starting any project with epoxy or similar coatings.

Soy-Gel

Tackling Coating Removal On Textured Concrete

Not all concrete surfaces are created perfectly smooth, making it difficult to restore or prep, leaving the concrete contractor or home remodeler scratching his/her head about how to tackle a tough textured or stamped surface. In this article we are going to focus on techniques to better help remove coatings from textured and stamped surfaces. Using chemical strippers is the most common method for contractors and home remodelers to use to strip coatings from textured surfaces. Their ease of use and less concern for problems, help create less stress for a project that a user might otherwise choose to avoid.

Based on the textured surface, the user will have to determine the coverage they will need. The depth of the texture will greatly affect how much square footage can be achieved. At Franmar we tested numerous different textures and found these to be general guidelines for single coating removal on horizontal surfaces, to help with determining how much product will be needed. Textures similar to broom finishes can achieve 100-150 sq. ft. per gallon. Cobblestone type textures can achieve 50-75 sq. ft. per gallon. Deep stamps such as brick patterns are the most difficult to predict, and can really vary, generally being lower coverage than on cobblestone. Keep in mind that these are just general guidelines. They are based on horizontal (floors, patios, and such). Vertical stamped surfaces will naturally have lower coverage rates. Other factors such as heat, wind, indoors or outdoors, porous concrete, and type and number of coatings to be removed will also affect coverage.

PRO TIPS: It's smart to test SOY-Gel on a small area, to help you determine how much product will be needed for the project. In fact, one of the best ways to save money is to TEST, TEST, TEST first. Testing a small area or even a few different areas will give the user a good idea for how much product will be needed and how long to leave the product on. Here is a test method we recommend at Franmar for most projects: Apply roughly a 3" circle of SOY-Gel to an inconspicuous area and do not spread it around. Then apply another 3" circle of SOY-Gel to another inconspicuous area and spread SOY-Gel around quite a bit. For cobblestone, brick, and similar uneven surfaces a larger test spot might be needed. If working outside do these same tests with a small piece of plastic lightly laid over the test spots to see how much effect the wind and sun have on the applications. Testing a thick application and a thin application will give the user a good indication of how much SOY-Gel they may need and the length of time that is needed to remove the coatings.

High Spots Where SOY-Gel Needs To Be Touched Up

Once the contractor has determined the amount of SOY-Gel needed, it's time to apply. It's a good idea to protect plant and vegetation in the area as SOY-Gel can smother them. Find out why in our next newsletter article "Plants vs. SoyGel (No zombies here)". Applying SOY-Gel is as easy as pouring it out of the bucket. But other methods such as using an airless piston driven sprayer or HVLP sprayer can be used. If pouring out of the bucket, it's best to use a ½" -3/4" notched squeegee to spread the stripper around. For some textured surfaces a gage rake can be used as well, generally set to ?" high or higher. We don't recommend using flat bladed squeegees, rollers or broom brushes because they tend to spread the stripper too thin, especially on textured surfaces. The most common mistake new SOY-Gel users make is applying SOY-Gel too thin. Woodworkers often say "measure twice and cut once". Well, for SOY-Gel we say "thicker application and longer dwell times are better". Once SOY-Gel has been applied, it's important to give it about 15 minutes to settle into place to look for high spots where the stripper is not applied thick enough. Just touch those areas up with a little more of the product.

PRO TIPS: When walking on SOY-Gel, be very careful. It's as slippery as walking on ice. We recommend using metal blunt spikes or similar type footwear when treading across the product.

If working in an area where it's windy or there is high heat (generally above 80°F or higher) where the concrete can get very hot, it's a good idea to put down a thin 2 to 5 Mil plastic to keep the stripper wet and working. If SOY-Gel dries up, it cannot work and will need to be reapplied.

Since a test spot was done before even starting this project (You did one, right?), you will know approximately how long SOY-Gel needs to stay in order to remove the coatings. Doing a test spot before the project is a super important part of the process as it can tell you a lot about the upcoming removal process and end result. Many contractors can attest that not all concrete is perfect in its composition and there is always the potential for unknown variables. A test can tell the user if the product will remove the coating, how long it will take, thickness needed to achieve best results, preparations to take for environmental conditions, and the results of the concrete after cleaned up.

PRO TIPS: SOY-Gel does not have a shelf life. Keep a quart or gallon in your shop to quickly test a potential or current job site. It's a great way to better judge how much of the product you might need.Once SOY-Gel has done its work, it's time to remove the stripper and softened coating(s). Using a flat blade scraper works wonders on smooth finished concrete, but on textured concrete, it works as well as eating soup with chopsticks. We have found at Franmar that a natural bristled brush works the best to remove the stripper and softened coating from the textured surface. After testing numerous different types of today's bristled brushes, we found that a medium natural bristle brush works far better than other types of brushes. See our results below.

Using the medium bristled brush, push the stripper and coating to a collection point. Use a scoop like shovel to pick up the collected stripper and coating and dump it back in an empty bucket, and dispose of the bucket according to your local disposal regulations.After the bulk of the stripper and coating is picked up, there will be a slimy-like residue left on the concrete. Using that same medium bristled brush, throw down some water and a degreaser such as Franmar's EMERGE and scrub the concrete texture very well. If a job site allows the contractor to use a power washer or hose, spray off the scrubbed concrete. In some situations, a contractor may not be able to easily use a spray water source and in that case, he/she will have to mop or wet vac up the scrubbed solution.

PRO TIPS: SOY-Gel has a built in surfactant that does two things for clean-up. First, a degreaser is not necessarily required to clean up with the built in surfactant, but using a degreaser generally ensures a quicker and easier clean up. Secondly, the built in surfactant turns SOY-Gel white when mixed with water. This allows a contractor to do a simple water test after cleanup to see if all the SOY-Gel residue is cleaned up. Just pour some clean water in a small area and rub it around. If it turns white, there is still residue left and we recommend repeating the cleanup process.

After SOY-Gel and the softened coating are removed and the floor is scrubbed and sprayed/mopped clean, we recommend letting the concrete dry overnight before applying stains, coloring, or new coatings. Waiting overnight allows the concrete to dry thoroughly. Once dry, the contractor can better assess the results of the removal process before moving on to the next steps.Removing coatings from concrete that are not smooth is always a tougher job to tackle for any contractor, but with the right tools, such as Franmar's SOY-Gel Paint & Urethane Remover, these jobs can go smoother, take less time and be much less frustrating. We at Franmar wish you the best with your next project and hope the weather man is right for his prediction of a beautiful sunny day for work!