

USG SHEETROCK® BRAND TUFF-HIDE™ PRIMER-SURFACER

EQUIPMENT

Use professional spray equipment that meets or exceeds the following rating when spraying through 50 ft. of 1/4" i.d. high-pressure hose: output at least 1 gallon per minute; pump pressure rated at 2700-3000 psi; and accommodates a 0.031" spray tip at 2000 psi. Graco Mark V, GMax 5900 HD, Ultra Max 1095 and 1595 models are examples of approved airless pumping equipment. Use a 30-mesh filter located in the high-pressure manifold. Use a spray tip orifice between 0.023" to 0.031". It is recommended to use a Graco heavy-duty texture spray gun or equivalent that accommodates a Graco Reverse-A-Clean (RAC) type tip. Make sure that airless sprayer, hoses, gun and other related equipment are clean and in good working condition prior to application.

Note: USG Sheetrock® Brand Tuff-Hide™ Primer-Surfacer is a high-solids coating. For best results, use new hoses to avoid clogging at the spray tip. Clogging commonly occurs with any high-solids coating when old and/or poorly cleaned hoses are used.

SURFACE PREPARATION

Substrate must be sound, dry, clean and free of oil, grease, mildew and dust. Product, air and surface temperatures must be maintained at a minimum of 55 °F (13 °C) throughout the finishing process. Refer to USG Technical Literature J2010 for finishing and decorating best practices.

For new drywall: Treat all joints, fasteners and accessories with a recommended USG Sheetrock® Brand Joint Treatment System. Fill all nicks, voids and gouges with joint compound. A minimum Level 4 wallboard finish is recommended. Refer to Gypsum Association publication GA-214, Recommended Levels of Gypsum Board Finish or ASTM C840 equivalent for a detailed description.

For concrete and plaster surfaces: Plaster surfaces should be thoroughly dry before painting. Concrete surfaces should age at least 60 days before finishing. Remove all form oils and efflorescence and grind down form lines. Fill cracks and holes, and level concrete surfaces with USG Sheetrock® Brand Setting-Type Joint Compound (Durabond® or Easy Sand™) or Cover Coat® Compound and let dry.

MIXING

Stir gently. Do not thin. Thinning will reduce performance. May be tinted with up to 2 oz. per gallon of universal colorants.

APPLICATION

Apply using airless spray only. When used in lieu of a skim coat of joint compound and paint primer coat in a Level 5 gypsum board finish, apply to a minimum Wet Film Thickness (WFT) of 15 mils. In all applications a WFT in excess of 20 mils is not recommended. Use a wet film thickness gauge to ensure proper application thickness and maximum performance. Maintain 55 °F (13 °C) minimum product, air and surface temperatures during application and until surface is dry.

Test the spray pattern prior to application. Control the rate of coverage with the spray-tip size (first-time users should try a 0.027" tip). If the fan pattern is the same, a large-tip orifice applies more paint than a small orifice. Do not try to increase coverage by increasing fluid pressure. Use the lowest pressure necessary (high-pressure increases wear on pump.)

Hold the gun perpendicular to the surface approximately 24 inches away. Move the gun parallel to the surface at a steady rate. Start the stroke off the "target" surface and pull the trigger, as the gun is moving. While the gun is still moving, release the trigger as you approach the other edge of the target surface. This method avoids excess paint buildup at the end of each stroke. Moving the gun at the correct speed will deposit a full, wet coating without runs or sags. Lap each stroke approximately 50% over the previous stroke for uniform paint thickness. Spray from left to right to scratch in the initial coat and then crosshatch spray up and down as the doubleup coat to provide a uniform appearance. Check wet film application thickness using a wet film thickness gauge. When painting corners, aim the gun toward the center of the corner to ensure both sides are sprayed evenly.

Note: May be roller applied for use as a high-solids, primer paint coat. Use a high-quality roller, with 1/4"- 3/8" fine nap roller cover on smooth surfaces. Apply to a wet film thickness (WFT) of 5-10 mils.



DRYING TIME

Dries to touch in approximately 60-90 minutes when applied at 15-20 mils WFT (9-12 mils DFT) under normal drying conditions (77 °F/50% RH). Let dry before recoating. High humidity and/or cold temperature will slow drying. May be painted after overnight drying.

COVERAGE

Coverage is approximately 100-125 sq. ft. per gallon when applied at 15-20 mils WFT (9-12 mils DFT). Actual coverage can vary depending on factors such as substrate surface condition, spray techniques, procedures, coating uniformity and thickness.

Wipe up drips and spills immediately with damp cloth. Clean tools and equipment with warm soapy water. Clean and store airless spray per the spray manufacturer recommendations. Close container after each use.

TOUCH-UP

For surfaces damaged prior to the application of finish paint, an additional application of USG Sheetrock® Tuff-Hide Primer-Surfacer can be used to treat properly repaired areas. For example, fill and level all nicks, voids, protrusions, paper tears, etc. with joint compound and sand smooth. For areas with minor damage, spray USG Sheetrock® Tuff-Hide Primer-Surfacer over repaired area and blend into surrounding coated surface using a feathering technique. For larger repaired areas, it may be necessary to respray the entire wall or ceiling surface.

For areas damaged after the application of finish paint, or previously painted surfaces, make sure surface is sound and free of dirt, oil, stains or other contaminants. In some cases stained surfaces should be treated with a stain blocking sealer to obtain uniform color. Lightly sand painted surface to dull any sheen and develop "tooth" for good bond prior to the application of USG Sheetrock® Tuff-Hide Primer-Surfacer to the entire wall or ceiling surface. For painted surfaces with minor damage, USG Sheetrock® Brand First Coat flat latex paint can be used over repaired areas using a feathering technique.

For more information, please consult The Gypsum Construction Handbook.
usg.com/content/usgcom/en/resource-center/gypsum-construction-handbook.html

PRODUCT INFORMATION

See usg.com for the most up-to-date product information.

WARNING

Mist, vapors and/or dust may cause irritation to eyes, skin, nose, throat and upper respiratory tract. Avoid irritation by reducing exposure to mist, vapors and/or dust. Use in a well-ventilated area or provide sufficient local ventilation. If misty/high vapor levels/dusty, wear a NIOSH/MSHA-approved mist, vapor or dust respirator. Long-term breathing of respirable crystalline silica dust can cause permanent lung damage and/or cancer. Prolonged and repeated breathing of respirable mica dust may cause lung disease (pneumoconiosis). Wear eye protection. If eye contact occurs, flush thoroughly with water for 15 minutes. If irritation persists, call physician. Wash with soap and water after use. Do not ingest. If ingested, call physician. Do not use if material has spoiled, i.e., there is a moldy appearance or an unpleasant odor. Close container and discard properly. Product safety information: 800 507-8899 or usg.com.

KEEP OUT OF REACH OF CHILDREN.

TRADEMARKS

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NOTE

Products described here may not be available in all geographic markets. Consult your USG sales office or representative for information.

NOTICE

We shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use. Our liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from date it was or reasonably should have been discovered.

SAFETY FIRST!

Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read MSDS and literature before specification and installation.

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