

Application of Metallic Surfacing System Guidelines

TECHNICAL BULLETIN
1026798

Senergy Products

SKIM COAT, TINTED PRIMER and METALLIC COLOR COAT or METALLIC COLOR COAT over textured acrylic finish or METALLIC Finish

Technical Information

Consult our Technical Services Department for specific recommendations concerning all other applications. Consult the Senergy website, www.senergy.basf.com, for additional information about products and systems and for updated literature.

Mixing and Application Instructions

SKIM COAT

Mixing:

1. Open the pail and mix the contents of the SKIM COAT pail with a low speed drill and paddle mixer until thoroughly blended.
2. Scrape the sides of the pail down with a trowel and wipe the sides with water. This technique helps to eliminate lumps from falling into the product while using the product and while in storage. Close the container tight when not in use.
3. Clean tools with water immediately after use.

Application:

1. General: Apply Senergy Wall System materials in accordance with Senergy specifications and details.
2. If applying this system over previously base coated material, ensure that the ALPHA BASE COAT or ALPHA DRY BASE COAT application is extremely smooth, with no mesh pattern showing. This most likely will require a double coat of base coat. Correct any imperfections with base coat.
3. Use the SKIM COAT product directly from the pail. It is white in color, and is about the same consistency as sheet rock joint compound.
4. Apply a thin, tight application of SKIM COAT to the base coat as free of trowel lines as possible. Do not attempt to build up the product.
5. After the SKIM COAT has dried, sand off any trowel lines. Use 60 grit drywall sandpaper with a sanding block (hand sander). If working to aesthetic joints, sand any imperfections away from the edges.
6. The SKIM COAT can be sanded much easier before it completely cures. Feel the surface with a bare hand. If the surface feels cool to the touch, proceed with sanding. If it isn't dry, it will ball up under the sand paper.
7. Remove all dust and reapply another application of SKIM COAT. Again, pay close attention to minimizing trowel marks. Depending on the applicator's ability, this may take up to 4 coats.
8. Work on edges/corners. If the product starts getting stiff, spray the area with a mist of water. This helps immensely and allows you to better manipulate the SKIM COAT.
9. While sanding, some imperfections may become noticeable. Touch these areas up by skimming an additional application of SKIM COAT to the area. Allow to dry and sand it again.

TINTED PRIMER

Mixing:

1. Thoroughly mix the factory-prepared TINTED PRIMER to a uniform consistency.
2. A small amount of clean, potable water may be added to adjust workability.
3. Additives are not permitted.
4. Close container when not in use.
5. Clean tools with soap and water immediately after use.

Description

Senergy® Metallic Surfacing Systems provide economical alternatives to achieve the appearance of architectural metal panels. Applied over EIFS, Cement-Board Stucco or as an interior veneer over wall board, the Senergy Metallic Surfacing Systems impart a distinctive, pearlescent appearance. Integrated system components include reinforced base coats treated with SKIM COAT to minimize planar variations, tinted primers, and 100% acrylic finishes and/or coatings that give an appearance very similar to metal panels. Final appearance depends on the system selected. The finishes and coatings are available in five standard colors and optional special colors.

Note: Not for horizontal flat surfaces.

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Application:

1. Tint the TINTED PRIMER to match the color chosen for the METALLIC COLOR COAT system.
2. Spray or roller apply the primer. For roller-application, use a 3/8 inch nap roller. Lay on the primer so there are no roller marks. For spray-application, use an airless sprayer with a minimum 521 reversible tip.
3. Allow the primer to dry. If there are flaws in the SKIM COAT, touch them up with the SKIM COAT, allow it to dry, sand and re-prime the area.

METALLIC COLOR COAT to replicate the appearance of a metal panel

Mixing:

1. Mix the contents of the factory-prepared METALLIC COLOR COAT pail with a low speed drill and paddle mixer until thoroughly blended.
2. A small amount of clean, potable water may be added to adjust workability.
3. To create a smooth metallic appearance, it is recommended that you strain the METALLIC COLOR COAT with a 5-gallon nylon strainer.
4. Additives are not permitted.
5. Close container when not in use.
6. Clean tools with soap and water immediately after use.

Application:

1. Apply the first coat of Senergy METALLIC COLOR COAT. **Note: See general information on spray equipment below.**
2. The METALLIC COLOR COAT must be applied in multiple thin coat layers, always maintaining a wet edge. Multiple coats of METALLIC COLOR COAT will be required.
3. Repeat as necessary, using typical painting practices and protecting each coat from debris and precipitation while drying.

-OR-

METALLIC COLOR COAT over textured acrylic finish

Mixing:

1. Mix the contents of the factory-prepared METALLIC COLOR COAT pail with a low speed drill and paddle mixer until thoroughly blended.
2. A small amount of clean, potable water may be added to adjust workability.
3. Additives are not permitted.
4. Close container when not in use.
5. Clean tools with soap and water immediately after use.

Application:

After the Finish Coat has dried properly, spray apply the first coat of METALLIC COLOR COAT to the clean and dust free surface.

Note: See general information on spray equipment below. Immediately back roll METALLIC COLOR COAT to ensure even distribution. The METALLIC COLOR COAT must be applied in multiple thin coat layers, always maintaining a wet edge and back roll material. Multiple sprayed coats of METALLIC COLOR COAT will be required.

-OR-

Two coats of METALLIC COLOR COAT may be applied using a 3/8" nap roller. Allow to dry between coats. Repeat each step as necessary, using typical painting practices and protecting each coat from debris and precipitation while drying. Excessive film build may cause sagging or "curtains" in METALLIC COLOR COAT.

-OR-

METALLIC FINISH

Mixing:

1. Mix the contents of the factory-prepared METALLIC Finish pail with a low speed drill and paddle mixer until thoroughly blended.
2. A small amount of clean, potable water may be added to adjust workability.
3. Additives are not permitted.
4. Close container when not in use.
5. Clean tools with soap and water immediately after use.

Application:

Apply METALLIC Finish to the clean and dust free surface using a clean stainless steel trowel. Apply and level Finish during the same operation to minimum obtainable thickness consistent with uniform coverage. Maintain a wet edge on METALLIC Finish by applying and texturing continually over the wall surface. Work METALLIC Finish to corners, joints or other natural breaks and do not allow material to set up within an uninterrupted area. Protect from debris and precipitation while drying.

General Information for Spraying METALLIC COLOR COAT:

1. Use a Graco-Ultra1500 Airless Sprayer or Titan 1140 (equal or larger).
2. 3000–3300 psi (210–228 bar) maximum working pressure.
3. Flow rate should be a minimum of 1 gallon per minute.
4. Remove all fine filters & replace with 60 mesh filters minimum.

5. Utilize a minimum 3/8 inch material line with a short whip if necessary.
6. Adjust the spray pressure to provide adequate product atomization.

Utilize Heavy Duty Silver Plus-type Gun (or Equal):

1. This type of gun uses a stainless steel fluid tube.
2. Large fluid passages for high-viscosity materials.
3. No spring in fluid passage to clog with material.

Spray Tip Recommendation:

1. If using a reversible tip, use a minimum 31/1000 (0.031) tip.
2. Using a two-stage fine finish tip minimum 32/1000 (0.032) is highly recommended. This form of tip provides a much finer/flawless finish.

Spray Application:

1. Mask off areas of joints to receive sealant.
2. When spraying the METALLIC COLOR COAT, it is important to hold the gun perpendicular to the wall, using constant movement across the surface.
3. During the spray application, the applicator must overlap each coat, maintaining a wet edge.
4. The key to the METALLIC COLOR COAT is to apply as many multiple coats of product (wet on wet) as possible without allowing the METALLIC COLOR COAT to sag.
5. Masking adjacent panels will be necessary in order to eliminate over-spray onto surrounding panels.
6. Protect all surfaces from over-spraying.
7. Remove the masking tape, while the METALLIC COLOR COAT is still wet, to semi wet. Do not allow it to dry. If you allow the METALLIC COLOR COAT to dry, the product films over the tape, and this condition makes it very difficult to get a clean line and removal of the tape is more difficult.

Limitations

1. Protect Senergy materials during transportation and installation to avoid physical damage.
2. Store Senergy materials in a cool, dry place protected from freezing. Store at no less than 4°C (40°F). Protect from extreme heat and direct sunlight. Shelf life is two years when unopened and stored as directed.
3. Do not apply Senergy materials in ambient temperature below 4°C (40°F). Provide supplementary heat during installation and drying period (at least 24 hours after installation and until dry) when temperatures less than 4°C (40°F) prevail.
4. Do not apply Senergy materials to frozen surfaces.

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Note

BASF Wall Systems is an operating unit of BASF Construction Chemicals, LLC. (herein after referred to as "BASF Wall Systems")

Residential Policy

On one and two-family residential framed construction, BASF Wall Systems requires that the wall system selected be one that includes provisions for water drainage. The choices include Senturion® line of water drainage EIFS, commercial Senerflex® Channeled Adhesive or Channeled Insulation Design, Senergy Stucco Wall System, and Senergy Cement-Board Stucco™ Systems. There are no exceptions to this policy. Under no circumstances will BASF Wall Systems warrant the use of any other system on this type of construction without expressed written authorization from BASF Wall Systems [Residential construction using EIFS on masonry (CMU) or poured concrete does not require the additional water drainage provisions described above. Senergy Exterior Surfacing Systems for insulating concrete forms are also acceptable.] See the Senergy Residential Policy Bulletin for a more detailed discussion of this topic. Consult BASF Wall Systems Technical Services Department for specific recommendations concerning all other applications. Consult the Senergy website, www.senergy.basf.com for additional information about products and systems and for updated literature.

Disclaimer

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