Mold Remediation and
Prevention Products

Specialty Construction Brands, Inc.
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Aurora, IL 60504
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www.fosterproducts.com

Foster® Clean, Kill & Coat™ three-phased approach for mold remediation eliminates the chance for the return of mold.

Step 1. Clean
•
  Remove any water-damaged and mold-contaminated materials that cannot be salvaged such as carpeting, furniture and wallboard.
•
  Thoroughly dry all materials to be left in place by exposing them to circulated dry air.
•
  Follow with a thorough cleaning and removal of all contaminants.

Step 2. Kill
•
  Sanitize the affected porous and non-porous surfaces with the ready-to-use, EPA-registered Foster® 40-80™ Disinfectant/Sanitizer to clean, deodorize and remove any residual microbial contaminants.
•
  The surface should remain wet for 10 minutes.

Step 3. Coat
•
  Coat the surface with the appropriate Foster brand protective coating evenly and thoroughly. We recommend an airless sprayer for an even application.
•
  Ventilate well for proper drying. Continue ventilation using appropriate fans, negative air machines or air scrubbers until odors are reduced to acceptable levels.
•
  Always ensure the use of PPE (Proper Protective Equipment).

Foster®, 40-10™, 40-11™, 40-16™, 40-20™, 40-22™, 40-23™, 40-26™, 40-30™, 40-50™, 40-51™, 40-55™, 40-80™, Clear Defense™ and Eclipse™ are trademarks of Specialty Construction Brands, Inc.
The Foster® brand offers mold resistant solutions for every environment...

- Houses & Condos
- Apartment Buildings
- Healthcare/Hospital Facilities
- Manufacturing Facilities
- Food & Beverage Plants
- Schools
- Universities
- Office Buildings
- Retail Buildings
- High Humidity Areas
- Existing Construction

A World Leader

For over 60 years, the Foster® brand of products have been leading the way with its mastic, coating, sealant and adhesive products for the industrial, commercial and residential construction markets. Foster introduced the first EPA-registered antimicrobial coating, and still the only for use in HVAC systems in 1992 and has continued to manufacture and sell water-based coatings, disinfectants and accessory products for mold remediation and prevention to the indoor air quality market. Our reputation has been built on the best technical expertise driving the best technology for superior performing products.

When tested against rigorous American Standards Testing Method (ASTM) D-5590, Foster products exhibit a “0” growth rate (see next page for more information). This means Foster products have proven performance and superior efficacy that truly work!

As a leader in the IAQ industry the Foster brand product line includes

- EPA-Registered Antimicrobial Products
- Mold Resistant Products
- Disinfectant/Sanitizer
- Accessory Products

For additional information, please visit www.fosterproducts.com

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- Always ensure the use of PPE (Proper Protective Equipment)
Our customers come first, and our ability to meet their needs is the key to our success. Foster® products are “Globally Specified, Proven, and Preferred” by IAQ professionals around the world. Specifically, our antimicrobial coatings are ideal for use in buildings and locations where mold already exists, or may potentially exist. These products have been successfully used in the field as the number one mold resistant coatings since 1992. Both of our EPA-Registered mold resistant coatings (Foster® 40-20™ and Foster® 40-30™) are the only coatings registered for use both in HVAC systems and on walls/ceilings.

Solutions that Work!
The cost of remediating a mold-infested building can be staggering, especially when it may be repeated due to mold growth on an inferior coating. When applied to lined and unlined HVAC systems, walls, sub floors, and studs, Foster EPA-Registered fungicidal coatings provide long-term protection by preventing the growth and spread of odor causing bacteria and mold on the coating surface.

The samples at the right show standard untreated house paint (above) vs. Foster coating (below). The Foster 40-20 coating is free of mold!

Foster® Coatings Proven Effective 15 Years and Running . . .
Regardless of the job, Foster 40-20 offers the highest level of resistance to mold growth on its surface while protecting the substrate from deterioration. It is the first and only EPA-registered coating for application in HVAC duct work, as well as on walls, ceilings, pipes or wherever effective controls are essential. Foster 40-20 provides a flexible, tough film that remains clean while retarding fiber release and further erosion of the duct insulation. Over the past 15 years, Foster 40-20 has been extensively specified and used in numerous mold remediation projects. In one study, when used in the duct system of a prominent maximum security prison, Foster 40-20 has remained fully effective since 1992.

Visit www.fosterproducts.com for the full case study, and the use of Foster 40-20 in other remediation situations.
EPA-Registered Antimicrobial Products

All Foster® Indoor Air Quality products are water-based. Additional information and specifications can be found on the MSDS sheets and Product Data Sheets, available at www.fosterproducts.com.

<table>
<thead>
<tr>
<th>Product Number/ General Description</th>
<th>Color</th>
<th>Substrate</th>
<th>Coverage</th>
<th>Dry Time</th>
<th>Application Method</th>
<th>Spray Tips</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Foster® Fungicidal Protective Coatings</strong></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td><strong>40-20™</strong> Fungicidal Protective Coating</td>
<td>White</td>
<td>• Walls</td>
<td>80 ft²/gal. (2.0 m²/L)</td>
<td>Set to touch: 4 hours</td>
<td>Airless Sprayer</td>
<td>Tip Size*: 0.023 to 0.025&quot;, 8&quot; to 10&quot; fan width</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Ceilings</td>
<td></td>
<td>Dry through: 16 hours</td>
<td>Brush or Roller</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Pipes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Interior &amp; Exterior HVAC duct systems</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>40-30™</strong> Fungicidal Protective Coating</td>
<td>Black</td>
<td>• Fiberglass duct liners</td>
<td>Galvanized Metal: 133 ft²/gal. (3.3 m²/L) New Duct Liner: 100 ft²/gal. (2.5 m²/L) Old Eroded Duct Liner: 67 ft²/gal. (1.6 m²/L)</td>
<td>Set to touch: 6 hours</td>
<td>Airless Sprayer</td>
<td>Tip Size*: 0.019 to 0.025&quot;, 8&quot; to 10&quot; fan width</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Duct board insulation</td>
<td></td>
<td>Dry through: 24 hours</td>
<td>Brush or Roller</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Galvanized surfaces</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Foster® Disinfectant/Sanitizer</strong></td>
<td>Clear</td>
<td>• All hard, non-porous surfaces</td>
<td>Depends on application method and surface. Apply sufficient quantity to insure the surface remains wet continuously for at least ten (10) minutes</td>
<td>Dry thoroughly before applying top coating</td>
<td>Garden sprayer, spray bottle, cloth, mop or sponge</td>
<td></td>
</tr>
<tr>
<td><strong>40-80™</strong> Disinfectant/Sanitizer**</td>
<td></td>
<td>• Sanitizes porous and semi-porous materials</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

Guide to Primer Use

<table>
<thead>
<tr>
<th>Surface</th>
<th>Required Primer</th>
<th>Coating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wood (structural studs, OSB, plywood)</td>
<td>None</td>
<td>All</td>
</tr>
<tr>
<td>Metal (galvanized, foil)</td>
<td>40-26 (recommended)</td>
<td>All</td>
</tr>
<tr>
<td>Drywall (unpainted)</td>
<td>None</td>
<td>All</td>
</tr>
<tr>
<td>Concrete, brick, plaster, masonry cement block (unpainted)</td>
<td>40-22 or 40-26</td>
<td>All</td>
</tr>
<tr>
<td>Painted surfaces (flat finish)</td>
<td>None</td>
<td>All</td>
</tr>
<tr>
<td>Painted surfaces (gloss finish)</td>
<td>40-26 or sanding</td>
<td>All</td>
</tr>
<tr>
<td>Wood (smooth, sanded, hardwoods)</td>
<td>40-26</td>
<td>All</td>
</tr>
<tr>
<td>Ductliner, duct board</td>
<td>None</td>
<td>40-20 or 40-30</td>
</tr>
</tbody>
</table>

Airless Spray Equipment Guidelines

Foster Mold Resistant Coatings can be applied with most manufacturers commercial grade electric airless sprayers. Sprayers with the following minimum specifications are suggested:

- Operating Pressure (psi): 3000
- Motor Size (hp): 3/8
- Volume (gpm): 0.45
- Hose (inches i.d.): 1/4" up to 50’, 5/16” over 50’
- Spray Tips*: Refer to Product Information Chart

* Tip sizes as small as 0.017” may be used; however, application will be slower and may require multiple passes to achieve recommended coverage rate. Spray equipment manufacturers specifications should be reviewed for maximum tip size acceptable for the sprayer being used.

** Not for use on the interior on HVAC systems. Refer to product label for use directions.
Mold Resistant Products

Resisting Mold in the Toughest Environments

Foster® brand coatings provide the highest level of performance even in the harshest conditions. Foster Mold Resistant Coatings specialize in resisting long-term mold growth on their surface. In addition to coatings, our accessory products improve the adhesion and aesthetic appeal when used.

ASTM D-5590 Testing Provides Evidence

We demonstrate the efficacy of our mold resistant products with extensive ASTM D-5590 Testing. ASTM D-5590 is specifically designed to test paints and coatings in the most severe environment possible for promotion of fungal growth. This makes it an excellent method for evaluation of a mold resistant coating’s performance under the harshest conditions.

Foster® Brand Products Superior Performance and Highest Standards

Our products are constantly monitored for high quality through our ISO 9001 certification. This high level plant quality certification assures consistent, high quality Foster brand products. In addition, we test independently through a leading commercial IAQ laboratory (Aerotech Laboratories, Inc.) to maintain our position of leadership.

ASTM D-5590 Test Method

ASTM D-5590 was purposefully developed to test paints and coatings in the “worst-case conditions” possible for promotion of mold, mildew, fungus and algae growth. This method is the best for evaluating a mold resistant coating’s performance under ideal mold growth situations.

Mold requires three elements for growth: high humidity, proper temperatures and a food source. ASTM D-5590 provides these elements in an optimal environment for growth. To insure continual exposure, the sample is surrounded with active, continually re-generating mold spores, truly testing the product’s resistance to growth. These conditions represent a worst-case scenario in a real world application where there is active mold spore generation on an adjacent substrate to the coated material at a temperature and humidity highly conducive to mold growth.

Other commonly cited tests do not provide this high standard of testing combining all three elements, and consequently do not reflect the product’s performance under the most relentless mold growth conditions.
# Mold Resistant Products

All Foster® Indoor Air Quality products are water-based. Additional information and specifications can be found on the MSDS Sheets and Product Data Sheets, available at [www.fosterproducts.com](http://www.fosterproducts.com).

## Foster® Mold Resistant Coatings and Sealants

<table>
<thead>
<tr>
<th>Product Number/General Description</th>
<th>Color</th>
<th>Substrate</th>
<th>Coverage</th>
<th>Dry Time</th>
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<tbody>
<tr>
<td><strong>40-10™</strong> Duct Liner Adhesive Coating</td>
<td>White</td>
<td>Fibrous duct liner&lt;br&gt;Unfaced duct board insulation&lt;br&gt;Seals and reinforces the surface of new and aged duct liner</td>
<td>80 to 200 ft³/gal (2.0 to 49 m³/L)</td>
<td>Set to touch: 6 hours&lt;br&gt;Dry through: 24 hours</td>
<td>Airless Sprayer&lt;br&gt;Brush or Roller</td>
<td>Tip Size*: 0.019 to 0.025&quot;, 6&quot; to 10&quot; fan width</td>
</tr>
<tr>
<td><strong>40-11™</strong> Eclipse™ Coating</td>
<td>Black</td>
<td>Fibrous duct liner&lt;br&gt;Duct board insulation&lt;br&gt;Seals and reinforces the surface of new and aged duct liner&lt;br&gt;Prevents air erosion and fiber release&lt;br&gt;Resists mold, fungus, and discoloration</td>
<td>50 to 150 ft³/gal (12 to 37 m³/L)</td>
<td>Set to touch: 6 hours&lt;br&gt;Dry through: 24 hours</td>
<td>Airless Sprayer&lt;br&gt;Brush or Roller</td>
<td>Tip Size*: 0.019 to 0.025&quot;, 6&quot; to 10&quot; fan width</td>
</tr>
<tr>
<td><strong>40-23™</strong> Insulation Sealer</td>
<td>White</td>
<td>Fibrous duct liner&lt;br&gt;Seals and reinforces the surface of new and aged duct liner</td>
<td>50 to 150 ft³/gal (12 to 37 m³/L)</td>
<td>Dry through: 2-4 hours at ambient</td>
<td>Airless Sprayer&lt;br&gt;Brush or Roller</td>
<td>Tip Size*: 0.019 to 0.025&quot;, 6&quot; to 10&quot; fan width</td>
</tr>
<tr>
<td><strong>40-50™</strong> Mold Resistant Coating</td>
<td>White</td>
<td>Wall cavities, floor joists, attic spaces&lt;br&gt;Wood and metal studs, drywall, OSB, framing strips, masonry&lt;br&gt;Formulated with EPA-registered antimicrobial agents which provide protection against odor causing bacteria, mildew and mold growth on the product surface&lt;br&gt;For use in areas prone to the growth of mold</td>
<td>300 ft³/gal (74 m³/L)</td>
<td>Dry through: 1-2 hours at ambient</td>
<td>Airless Sprayer&lt;br&gt;Brush or Roller</td>
<td>Tip Size*: 0.015 to 0.017&quot;, 6&quot; to 10&quot; fan width</td>
</tr>
<tr>
<td><strong>40-51™</strong> Clear Defense™ Mold Resistant Coating</td>
<td>Clear</td>
<td>Masonry, stucco, concrete and clay roofing tiles&lt;br&gt;Asphalt shingles, vinyl, aluminum, painted wood&lt;br&gt;Non-Porous Surfaces: 300 ft³/gal (74 m³/L) Porous will require more product</td>
<td>Dry through: 40 minutes - 1 hour</td>
<td>Airless Sprayer&lt;br&gt;Brush or Roller</td>
<td>Tip Size*: 0.015 to 0.017&quot;, 6&quot; to 10&quot; fan width</td>
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## Foster® Accessory Products

<table>
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<tr>
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<th>Color</th>
<th>Substrate</th>
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<th>Dry Time</th>
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<tr>
<td><strong>40-16™</strong> Block Filler</td>
<td>Off White</td>
<td>Unpainted masonry surfaces</td>
<td>40 to 70 ft³/gal (10 to 17 m³/L)</td>
<td>Set to touch: 1-2 hours&lt;br&gt;Dry through: 15 hours</td>
<td>Airless Sprayer&lt;br&gt;Brush or Roller</td>
<td>301 Air Pump with Inductor Plate. Tip Size: 0.020 to 0.025&quot;, 6&quot; to 10&quot; fan width</td>
</tr>
<tr>
<td><strong>40-22™</strong> Masonry Sealer &amp; Primer</td>
<td>Off White (dries clear)</td>
<td>Unpainted block plaster&lt;br&gt;Cement surface</td>
<td>50 to 200 ft³/gal (12 to 49 m³/L)</td>
<td>Dry through: 2-4 hours at ambient</td>
<td>Airless Sprayer&lt;br&gt;Sealer Spray or Spray Bottle</td>
<td>Tip Size: 0.017 to 0.021&quot;, 6&quot; to 10&quot; fan width</td>
</tr>
<tr>
<td><strong>40-26™</strong> Water-based Primer</td>
<td>Off White (dries translucent)</td>
<td>Metal and rusty metal&lt;br&gt;Concrete&lt;br&gt;Masonry&lt;br&gt;Wood</td>
<td>Metal: 200 to 300 ft³/gal (49 to 74 m³/L) for corrosion protection, 400 to 600 ft³/gal (98 to 147 m³/L) for improved adhesion</td>
<td>Dry through: 1 hour at ambient</td>
<td>Airless Sprayer&lt;br&gt;Brush or Roller</td>
<td>Tip Size: 0.017 to 0.021&quot;, 6&quot; to 10&quot; fan width</td>
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