



40-20LO Protective Coating

Product Data Sheet

PROPERTIES

COLOUR: White

APPLICATION CONSISTENCY:
Brush or Airless Spray

SPECIFIC GRAVITY:
1.38kg/l

AVERAGE NON-VOLATILE (ASTM D 2369):
60% by volume

COVERAGE RANGE:
Wet coverages shown are for smooth, non-porous surfaces. Porous or rough surfaces may require greater coverage rates to obtain required thickness.
0.51l/m²
0.51mm wet thickness
0.27mm dry thickness

DRYING TIME:
Set to Touch: 4 hours
Dry Through: 16 hours

WATER VAPOR PERMEANCE (ASTM F 1249):
Tested at 90% R.H. differential and 38°C 0.326 metric perms at 0.91mm

SERVICE TEMPERATURE LIMITS:
-29°C to 93°C

SAFETY:
Wet Flammability
No Flash to Boiling 99°C

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www.fosterproducts.com

FOSTER 40-20LO PROTECTIVE COATING

Foster® 40-20LO™ provides a cost effective decorative finish resistant to many industrial chemicals, together with long-lasting protection. It can be used on walls, ceilings, pipes, interior and exterior surfaces of HVAC duct systems, and wherever effective controls are essential.

Foster 40-20LO is an acrylic copolymer emulsion coating specifically formulated to seal the surfaces of substrates. When used over duct liner insulation it will seal and re-surface the insulation retarding release of loose fibers. The dried film is resistant to the growth of mould and mildew. As a result, when used in HVAC duct systems building occupants may enjoy a work space free of the odor problems often associated with contaminated systems. It is ideal for use to seal surfaces after mould remediation has been completed.

Foster 40-20LO provides a tough, elastic, decorative finish that allows for movement without splitting and creating lodging places for bacteria. When used on metal surfaces its formula contains specialty pigments that help provide protection from rusting on galvanized and primed mild steel surfaces.

LIMITATIONS: Protect from freezing. Do not apply near food stuffs in unventilated areas. Always ensure adequate ventilation. Do not store or apply over 38°C or below 4.4°C. Water-based products may corrode carbon steel spray equipment. Corrosion resistant pumps and fittings are suggested.

Foster 40-20LO should not be painted, it must remain the exposed surface. It can however be tinted to a pastel colour using standard water base paint tinting colours.

DO NOT DILUTE.

For professional use only.

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FOSTER 40-20LO PROTECTIVE COATING

MATERIAL PREPARATION:

DO NOT THIN. Keep container closed when not in use. Do not apply outdoors in damp or rainy weather.

SURFACE PREPARATION:

Unpainted brick, plaster, and cement based surfaces: Apply only to clean, dry surfaces free of all dirt, grease, or impurities. On mould infested surfaces, aggressively scrape the surface, then wire brush to produce a firm, sound substrate. Wash the intended surface with a high quality biocidal wash solution following the instructions for its use, then rinse and allow to dry completely before proceeding. Foster 40-20LO may be applied directly without the need for primer. For improved adhesion prime all unpainted brick, plaster and cement based surfaces with a water-based primer after filling gaps with a block filler.

Painted Surfaces: Wire brush painted surfaces removing all flaking, loose, or chalking material. Sand all glossy surfaces (alkyd, oil, epoxy based coatings, etc.) to roughen entire area. Wash the intended surface with a high quality biocidal wash solution following the manufacturer's instructions for its use, then rinse and allow to dry thoroughly.

Metal Surfaces: Remove any dust, grease, oil, or contaminants. Abrade all surfaces to remove all surface rust. Wash the intended surface with high quality biocidal wash, then rinse and allow to dry thoroughly. Prime surface with a water-based primer if improved adhesion is required.

Wooden Surfaces (unpainted): Remove all dirt, grease, oil, or contaminants. Remove all loose substrate materials, unnatural protrusions, splintered materials, etc. to a sound surface. Apply a biocidal wash following the manufacturer's directions, then rinse and allow to dry thoroughly. Foster 40-20LO may be applied directly without the need for primer. On exposed surfaces where staining or discoloration of the coating would be objectionable, prime with a water-based primer.

HVAC Systems: Galvanized surfaces need to be vacuumed or washed clean of all accumulated mould, dust and loose particles. Following complete cleaning procedures, sanitize the entire air duct surfaces with an approved sanitizer following manufacturer's directions. Ensure that all interior surfaces are thoroughly dry before applying Foster 40-20LO. All metal surfaces must be primed with a water based metal primer before application of Foster 40-20LO. Lined air ducts must be lightly vacuum cleaned to remove all mould, dust, and loose particles, being careful not to tear or loosen the liner.

APPLICATION

Apply Foster 40-20LO to all surfaces by brush, airless spray at a rate of approximately 0.51l/m². Always ensure adequate ventilation. Brushing will require two coats applied at 90° to each other. Under normal circumstances a spray application can be completed in one coat, but for extremely porous or irregular surfaces, a second coat may be required. Ensure that the finished surface is smooth and homogeneous. For airless spray application, use an electric 30:1 unit such with a 0.021-0.025 fluid tip and 800-900 psi atomizing pressure at the gun. For HVAC systems interior surfaces: **HVAC systems must be under negative air pressure during and after application to allow for exhausting of odors and rapid drying of the coating.**

NOTE: Continue to circulate fresh dry air throughout the area during the application and for as long after the application as is possible. Exhaust circulated air outside the building or occupied space. If air must be exhausted inside the building circulate air through an air scrubbing filtration system with odor absorbing medium such as a charcoal medium. This circulation and filtration helps to reduce the dry time of the coating and reduce latex type odors that could possibly migrate from the application area. Be sure exhausted air is odorless before venting into occupied spaces.

MAINTENANCE

Wash down periodically with a high quality biocidal wash. Where severely contaminated, scrub clean using steam cleaning where permissible. Normal cleaning procedures must be maintained in HVAC systems to remove accumulated airborne particles.

CLEAN-UP

Use fresh water to clean brushes and equipment before product dries. Dry product may be removed with chlorinated solvents (non-flammable) or xylol (flammable).

CUSTOMER SERVICE — 1800 423 855

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ADEQUATE TESTS: The information contained herein we believe is correct to the best of our knowledge and tests. The recommendations and suggestions herein are made without guarantee or representation as to results. We recommend that adequate tests be performed by you to determine if this product meets all of your requirements. The warranted shelf life of our products is six months from date of shipment to the original purchaser.

**For professional use only. Keep out of reach of children.
Consult Safety Data Sheet and container label for further information.**