



**PROPERTIES**

**COLOR:**

Black

**APPLICATION CONSISTENCY:**

Brush, spray or rollercoat

**AVERAGE WEIGHT/U.S. GALLON (ASTM D1475):**

11.0 lbs. (1.32 kg/l)

**AVERAGE NON-VOLATILE (ASTM D2369):**

35% by volume (51% by weight)

**COVERAGE RANGE:**

(Subject to the nature of material being coated.) Wet coverages shown below are for smooth, non-eroded surfaces. Eroded, rough or low density surfaces may require higher gallonage to attain required surface sealing. See application guide, other side.  
0.67 to 2.0 gal./100 sq.ft. (0.27 to 0.18 l/m<sup>2</sup>) 0.011 to 0.032 in. wet thickness (0.27 to 0.81 mm)

**DRYING TIME (ASTM D1640):**

Set to Touch: 6 hours

Dry Through: 24 hours

**SERVICE TEMPERATURE LIMITS (FSTM 70):**

(Temperature at coated surface)  
-50°F to 180°F (-46°C to 82°C)

**WET FLAMMABILITY (ASTM D93):**

No flash to boiling, 212°F (100°C)

**SURFACE BURNING CHARACTERISTICS (ASTM E84):**

Flame Spread: 10

Smoke Developed: 5

Tested at coverage rate of 150 sq.ft./gal. (3.68 m<sup>2</sup>/l).

Applied to 1" (25 mm) faced duct liner. The flame spread may vary at different product thicknesses and/or when applied over other surfaces.

**ATTRIBUTES**

**Eclipse™ Coating (40-11)** is a low odor, quick setting water-based surfacing material designed for field or shop application to faced or unfaced fiberglass duct liner or fiberglass duct board insulation. Its low viscosity allows for application with virtually any type of spray equipment now available to the market.

Eclipse dries to form an effective air erosion preventive surfacing material sealing and reinforcing the surface of new or aged duct liner insulation materials.

Eclipse is non-flammable when wet and extremely fire-resistive when dry. When tested on both faced and unfaced fiberglass duct liner insulation, Eclipse by Foster produced flame and smoke ratings below the 25/50 NFPA 90A and 90B requirements. The dry film stays flexible and moisture resistant. It will not cause flash rusting on metal surfaces. Dry Eclipse resists mold, fungus, discoloration from mildew, and stains by mold. Its extremely high level of resistance enhances the longevity of the material.

Eclipse coating meets requirements for LEED® EQ Credit 4.2, low-emitting materials: paints and coatings.

Eclipse contains no asbestos, lead, mercury, or mercury compounds. It meets NFPA 90A and 90B 25/50 requirements.

**LIMITATIONS:**

Store between 40°F (4°C) and 100°F (38°C). Protect from freezing until dry. DO NOT DILUTE. Apply between 50°F (10°C) and 100°F (38°C) with less than 70% RH air conditions maintained until dry. Water-based products may corrode carbon steel spray equipment. Corrosion resistant pumps and fittings are suggested. For interior use only.

**DO NOT DILUTE.**

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# APPLICATION GUIDE FOR FOSTER® ECLIPSE™ COATING (40-11)

**MATERIAL PREPARATION:** DO NOT THIN. Apply only to clean, dry surfaces. Keep container closed when not in use.

**SURFACE PREPARATION:** Lined air ducts should be thoroughly cleaned to remove all mold, dust and loose particles, being careful not to tear or loosen the liner. Galvanized surfaces need to be vacuumed or washed clean of all accumulated mold, 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 **Eclipse™ Coating (40-11)**. All rusted metal surfaces must be primed with **Foster® 40-26™ Waterbase Primer** before application of Eclipse. Eclipse may be applied directly onto cleaned unrusted galvanized surfaces.

**APPLICATION:** Always ensure adequate ventilation by using negative air pressure in the HVAC system during application. Apply Eclipse to all surfaces by brush or airless spray at the required rate (see front page). 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. Eclipse has been designed with an average viscosity range of between 4,000 and 6,000 cps enabling application by virtually any type of electric airless spray equipment. Ensure that the finished surface is smooth and well sealed.

**Note:** Continue to circulate fresh air throughout the system during the application and for as long after the application as is possible. Circulated air should be exhausted outside the building. If air must be exhausted inside the building, filtration through a charcoal medium is suggested. 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:** Normal cleaning procedure must be maintained in HVAC systems to remove accumulated airborne particles.

**CLEAN-UP:** Use fresh water to clean brushes before product dries. While the product is still wet, flush the equipment with a solution comprised of 1/2 cup sudsy ammonia, 1/2 cup pine oil cleanser, and 4 gallons of cool water. Flush until material exiting pump shows no evidence of Eclipse. Dry product may be removed with chlorinated solvents (non-flammable) or xylol (flammable).



**CUSTOMER SERVICE: 800-231-9541**

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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 Material Safety Data Sheet and container label for further information.**