



## PROPERTIES

**COLOR:** Black

**APPLICATION CONSISTENCY:** Brush, spray, roller

**AVERAGE WEIGHT/U.S. GALLON (ASTM D 1475):**  
9.6 lbs. (mixed) (1.15 kg/l)

**Average non-Volatile (ASTM D 2369)**  
65.0% by volume (mixed)  
73.5% by weight (mixed)

### COVERAGE RANGE:

(Subject to type of surface being coated)

Dry Thickness:

0.031 to 0.036in. (0.79mm to 0.91mm)

Equivalent Wet Coverage:

0.048 in. to 0.056 in. (1.22 mm to 1.42 mm)

3 to 3.5 gal./100 sq. ft. (1.22 to 1.43 l/m<sup>2</sup>) on a smooth non-porous surface. Porous or rough surfaces will require higher gallonage to attain required dry thickness.

**MIXING RATIO:** 1:1 by volume

### POT LIFE (FSTM 91A):

(Varies with temperature) 6-9 hours @77°F (25°C)

### DRYING TIME 73°F (23°C) 50% RH :

Temperatures below 70°F (21°C) and adhesive applications prolonging dry time will require longer cure times.

Through: 48 hours

Full Cure: 2 weeks

### SERVICE TEMPERATURE LIMITS (FSTM 203):

(Temperature at coated surface)

Minus 320°F to 180°F (-196°C to 82°C)

(up to 250° F (121° C) intermittent)

### WATER VAPOR PERMEANCE:

ASTM F-1249: 0.01 Perm (0.0066 Metric Perm)

at 0.020-0.025 in. (0.51-0.64 mm) dry film thickness.

### SAFETY:

Wet flammability (ASTM D 93):

Flash point 75°F (24°C)

Dry combustibility:

Combustible

## FOSTER CRYOGENIC SEALER

**FOSTER Cryogenic Sealer** is a two part black elastomeric sealant designed for use in cryogenic and specific chemical resistance applications. It is suitable for application to PIR and polyurethane foam, cellular glass, aerogel and fibrous glass insulations in conjunction with aluminum, steel and masonry construction materials.

**Cryogenic Sealer** has excellent resistance to moisture, water vapor and other gases. It also has good resistance to most oils, mild solvents, inorganic acids, inorganic bases and salt solutions.

**Cryogenic Sealer** is designed for very low temperature applications to seal seams where a water vapor tight insulation system is required. It is an excellent vapor stop material for use on cryogenic pipe lines and cryogenic equipment.

**Cryogenic Sealer** contains no lead, asbestos, mercury, or mercury compounds.

### LIMITATIONS

Store and apply between 40°F (4°C) and 100°F (38°C).

Always test plastic materials for compatibility when using a solvent base product.

Make certain this product is completely dry and the area free from solvent odor if food is involved.

Not suggested for application between two impermeable surfaces, As a vapor stop ensure the coating is able to fully dry after application. Do not trap solvent from 90-66 between the pipe and impermeable insulation or layers of impermeable insulation.

Not suggested as a joint sealant in impermeable insulation where the solvent will be trapped in the joint.

Not intended as an exposed finished coating for extended periods of time.

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# APPLICATION GUIDE FOR FOSTER CRYOGENIC SEALER 90-66CA

## **MATERIAL PREPARATION**

Mixing instructions: Add 90-66 CA, Part B into Part A and mix thoroughly for about 5 minutes, using an air driven mechanical stirrer. Do not whip air into the product.

## **APPLICATION**

Apply only to clean, dry surfaces. New concrete surfaces must be at least 4 weeks old.

When used as a vapor stop, 90-66CA may be applied up to 2 gal./100 sq. ft. (0.81 l/m<sup>2</sup>) on vertical surfaces (21 mils/0.53 mm dry thickness). Apply a tack coat of Foster 90-66CA Sealer and embed Foster Mast-a-Fab reinforcing mesh being sure to smooth all wrinkles. Follow with a finish coat of 90-66CA sealer.

Apply the 90-66CA two to three inches on the pipe and extending up over the insulation surface. Avoid trapping solvent from wet 90-66 between two impermeable surfaces such as the pipe and insulation. Always allow the 90-66CA to fully dry before covering with abutting insulation or jacketing.

## **CLEAN-UP**

Use solvents such as chlorinated solvent (non-flammable) or mineral spirits (flammable) for cleaning tools and equipment. Completely clean all equipment before pot life expires, and the adhesive sets up. Dried 90-66CA is extremely difficult to remove.

## **CUSTOMER SERVICE—800-832-9002**

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