



Mastics, Coatings, Adhesives, Sealants

CHIL-LASTIC™
CP-79-S (Heavy Duty Airless Spray)
CP-79-T (Trowel)
Sealant and Coating

HIGH TEMPERATURE ASPHALT SEALANT AND COATING

DESCRIPTION

CHIL-LASTIC™ CP-79 is a multi-purpose high temperature sealant and coating. It is applied by trowel over all types of thermal insulations. Do not use in conjunction with polystyrene. Being an asphalt based coating, CHIL-LASTIC CP-79 forms a tough, durable, heavy film when applied. It can be used at elevated temperatures. CHIL-LASTIC CP-79 sealant/coating should be allowed to cure at ambient temperature with thorough ventilation before hot lines, vessels, or tanks are put into operation. Failure to do so may increase the possibility of residual solvent boiling out of the film.

USES

CHIL-LASTIC CP-79 sealant/coating is used as flashing material in the sealing of boiler settings to prevent air infiltration. It is also used in refractory applications.

APPLICATION

CHIL-LASTIC CP-79 sealant/coating is normally applied by trowel or heavy duty airless spray. See reverse side for spray recommendations. CP-79-T trowel grade has a heavy body and can be applied in wet thicknesses up to 1/8" (.31cm) without sagging or running. CP-79-T or CP-79-S cannot be successfully applied by brush. CP-79-T cannot be spray applied. Failure to apply the full coverage specified can result in premature failure of the product. Do not under-apply CP-79.

ADVANTAGES

- CHIL-LASTIC CP-79 sealant/coating exhibits good adhesion to most surfaces.
- It is acid and alkali resistant and will not freeze, decompose, or show settling or separation in storage.
- CHIL-LASTIC CP-79 sealant/coating provides an excellent water and vapor seal.
- It forms a tough, protective coating when cured which does not tend to crack or peel during normal equipment operation.
- CHIL-LASTIC CP-79 sealant/coating requires no special mixing or additives.

Visit us on the web at www.fosterproducts.com

COLOR

Black

NET WEIGHT

CP-79-T 8.7 lbs./U.S. gal. (1.04 kg/liter)
CP-79-S 8.5 lbs./U.S. gal. (1.02 kg/liter)

AVERAGE NON-VOLATILE BY VOLUME

CP-79-T 73%
CP-79-S 64%

SERVICE TEMPERATURE RANGE

(Temperature to which dry coating is subjected.)
See other side.

APPLICATION TEMPERATURE RANGE

(Temperature of product when applied)
50°F to 100°F
(10°C to 38°C)

DRYING TIME

(Drying time is dependent upon temperature, humidity, rate of air flow over the surface, and film thickness)
Touch - 4-8 hours
Through - 14 days

COVERAGE

(Varies with substrate)
CP-79-T 8 gallons per 100 sq.ft. (3.2 l/sq.m)
0.128" (3.3 mm) wet film thickness.

CP-79-S 10 gallons per 100 sq.ft. (4.1 l/sq.m)
0.160" (4.1 mm wet film thickness)

FLASH POINT

Over 100°F (37°C)

VAPOR PERMEABILITY

0.01 grains/hour/sq. ft./in. (Perm)

CLEAN-UP

Mineral Spirits - Flammable

CP-79 contains no asbestos, lead, mercury, or mercury compounds.

H.B. Fuller Construction Products Inc.

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Application Guide and Suggested Procedures

1. DETERMINING THE PROPER VISCOSITY

It is necessary to determine the method of application based upon the overall size of the object being coated, since CHIL-LASTIC CP-79 sealant/coating is available in two viscosities (CP-79-T for Trowel application and CP-79-S for Spray application). Large, flat areas and/or objects that lend themselves to application by spray; CP-79-S is most appropriate for this type of situation. Smaller, irregularly shaped objects, such as fittings, lend themselves to application by trowel; CP-79-T is most appropriate for this type of situation. In addition, cost of spray equipment rental, purchase, or use may be a factor in determining method of application. After the proper application has been determined, the proper product viscosity can be ordered. **DO NOT THIN.**

2. SERVICE TEMPERATURE RANGE

Exposed Surface - Temperature at the coated surface.
-75°F to 350°F (-59° to 177°C) continuous.

Behind refractory, block or spray applied - Temperatures at the refractory face can be 500°F (260°C) or higher, provided the temperatures behind the refractory, between the CP-79 and the steel shell, do not exceed -75°F to 350°F (-59°C to 177°C) continuous.

3. APPLICATION

Prepare steel surfaces by abrasive grit blasting to remove all traces of mill scale, rust, paint, and corrosion products. Remove all dust and grit from the surface. Apply the CP-79 promptly, before the blasted surface can flash rust. If absolutely necessary, the blasted surface may be primed with a thin coat of CP-79 cut 50/50 with mineral spirits. Apply the full thickness CP-79 application within 30 days.

4. SPRAY APPLICATION

CHIL-LASTIC CP-79-S sealant/coating is most readily applied by airless spraying equipment. Airless spray is faster, neater, and gives a better, more uniform finish. A two-coat application will be required. Allow the first coat to set firm before applying the second coat.

Industrial spray equipment is required to spray CP-79S. CP-79S Mastic has a relatively high pseudoplastic consistency and a typical viscosity of 100,000 cps to 150,000 cps (Brookfield Speed 20 at 25C). For this reason it is necessary to have the spray unit mounted on an inductor plate (also called a ram plate) which will keep feed pressure on the mastic to the pump and avoid spray cavitation. For best results consult a qualified industrial spray equipment dealer for equipment recommendations. Contact Foster technical support for additional tips on equipment selection.

Pump: Minimum 55:1 ratio pump with volume capacity to feed a 0.045" spray tip is suggested.

Ram Plate: Required.

Tip - Reverse-A-Clean Tip 0.045" Orifice

Material to Hose to Gun - 6 foot whip end, 1/2" I.D., working pressure 5000 psi, burst 16000 psi.

Material Hose - 50 foot overall, 3/4" I.D. 50' long, working pressure 4000 psi, burst 16000 psi

Material Hose - 100 foot overall, 1" I.D. 100' long, working pressure 3000 psi, 12000 psi burst.

Heat - Store CHIL-LASTIC CP-79-S sealant/coating in a heated area. The temperature of the CP-79-S should be at least 70°F (21°C) before spraying. The capacity of inline heaters is too low to be effective.

Most manufacturers of mastic spray equipment maintain nearby service facilities to aid in the solution of any technical problems that arise with their equipment.

CUSTOMER SERVICE: 800-832-9002

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