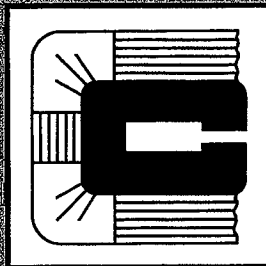


# CHILDERS

Coatings, Adhesives, Sealants



**CHIL-LASTIC™**  
CP-79-S (Spray)  
CP-79-T (Trowel)  
Sealant and Coating

## **HIGH TEMPERATURE ASPHALT SEALANT AND COATING** **Military Specification MIL-S-17377**

### **DESCRIPTION**

CHIL-LASTIC™ CP-79 is a multi-purpose high temperature sealant and coating which can operate up to 500° F (260° C). It is applied by trowel over all types of thermal insulations (test before using 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 before hot lines, vessels, or tanks are put into operation.

### **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 to protect steel structural members against weathering, corrosion, and chemical action, and in refractory applications.

### **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. With a long shelf life, CHIL-LASTIC CP-79 sealant/coating requires no special mixing or additives.

### **APPLICATION**

CHIL-LASTIC CP-79 sealant/coating is normally applied by trowel or spray. See reverse side for spray recommendations. It has heavy body and can be applied in thicknesses up to 1/8" (.31 cm) without sagging or running.

### **CERTIFIED**

That this product has met the requirements of Military Specification **MIL-S-17377**.

### **COLOR**

Black

### **WET WEIGHT**

8.6-9.0 lbs./U.S. gal. approx.  
1.0-1.08 kg/liter

### **AVERAGE NON-VOLATILE**

60-65% by volume

### **SERVICE TEMPERATURE RANGE**

(Temperature to which dry coating is subjected)  
-75° F to 500° F  
(-59° C to 260° C)

### **APPLICATION TEMPERATURE RANGE**

40° F to 100° F  
(4° C to 38° C)

### **DRYING TIME**

(Drying time is dependent upon temperature, humidity, and film thickness.)

To Touch — 4 to 8 hours  
Through — 14 days

### **COVERAGE**

8-10 gallons per 100 square feet  
(3.2-4.1 liters/sq.m)  
(1/8" (.31 cm) as applied)

### **FLASH POINT**

over 100° F (37° C)

### **VAPOR PERMEABILITY**

0.01 grains/hour/sq. ft./in.  
(1/8" thick film aged 2 months)

### **CLEAN-UP**

Chlorinated Solvents or Mineral Spirits  
(Use with adequate ventilation)

**See other side for specifications and application information**

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FAX: (403) 455-0259

CP-79-389  
SUPERSEDES  
CP-79-987

**1.54**

# CHIL-LASTIC™ CP-79

## 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 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.

### 2. 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. The following spray equipment (or equal by Binks or DeVilbiss) is recommended for spray application of CP-79-S:

MASTIC PUMP:	Graco 45:1 King Airless, Model 208-004 with 204-502 inductor plate for 55 gallon drums, or 203-452 inductor plate for 5 gal. pails and 207-651 air regulator (or 30:1 Bulldog mode) 206-303 with 207-279 follower plate (optional) with short material hose and warm material).
MASTIC GUN:	Graco Golden Gun, model 206-718.
GUN TIP:	Graco Reverse-a-clean tip 0.045" orifice model 00. 205-614.
MATERIAL TO HOSE TO GUN:	6 foot whip, 1/2" I.D., working pressure 5,000 psi, burst 16,000 psi.
MATERIAL HOSE:	50 foot overall, 3/4" I.D., working pressure 4,000 psi, burst 16,000 psi.
MATERIAL HOSE:	100 foot overall, 1" I.D., working pressure 3,000 psi, burst 12,000 psi.
MATERIAL HOSE:	150 foot overall, 1" I.D., working pressure 3,000 psi, burst 12,000 psi.
HEAT:	Store CHIL-LASTIC CP-79-S sealant/coating in warehouse temperatures of at least 60° F (15° C) for 24 hours before spraying. The capacity of inline heaters is too low to be effective.
AIR COMPRESSOR:	100 cubic feet per minute at 100 lbs. per square inch minimum.
COMPRESSOR AIR HOSE:	The air hose from the compressor to the mastic pump should be 3/4"-1" I.D.. and no more than 100 feet long.

Most manufacturers of mastic spray equipment maintain nearby service facilities to aid in the solution of any technical problems which arise with their equipment. Childers cooperates with these companies in solving individual spray problems.

## All Childers Coatings, Adhesives, and Sealants are Asbestos Free

All orders are accepted subject to and sales made in accordance with the Terms & Conditions in seller's Acknowledgement and Acceptance form

Recommendations made by this company and its representatives are based upon test data, experiments, and experience believed to be reliable. No guarantee of accuracy is made, however. All products are sold upon the condition that the buyer will make his own tests and assume the responsibility for the suitability of the product under his application and service conditions. Statements made herein as to coverage, drying, performance, applicability, and other properties will vary according to the nature of the surfaces to which the product is applied, application technique, and service conditions. We in no event assume liability beyond the purchase price of our products involved and make as a condition of sale that we will refund the purchase price or replace materials proven to be defective and reported in a timely fashion but no later than six (6) months after shipment. No representative of manufacturer and/or seller has authority to alter or extend these conditions.