

*This is an abbreviated guide and is not intended as a substitute for the Long Form CAFCO CELLU-SHIELD Application & Installation Manual. Applicator shall completely and fully read and understand the Long Form Application & Installation Manual prior to applying this product.*

**PUMP REQUIREMENTS:**

The application machine consists of a hopper, agitator bars or augers, airlock, and blower.

**APPROVED EQUIPMENT:**

**Krendl Machine Company** – 475, 575, 2300  
**Cool Machine** – 1500, 2400\* \*shredder box insert required  
**Accu1 Direct** – 9700, 9800  
**Contractors Consulting Services** – All Boss Machines  
**Unisul** – All Pneumatic Spray Machines

**EQUIPMENT SETTINGS:**

Gate and blower settings will vary based on desired production rate.

When feeding material, empty only one bag of material into machine hopper at a time. When the hopper is one quarter full (three-quarters empty), empty next bag into the hopper.

**REQUIRED NOZZLE:**

CAFCO CELLU-SHIELD center stem nozzle or equivalent.

For additional recommended nozzles, contact the Isolatek Technical Department.

**ADHESIVE ADMIX RATIO:**

1.8 :1 admix to material ratio, by weight. Admix pressure should be sufficient to maintain proper ratio. Refer to the CAFCO CELLU-SHIELD Application and Installation Manual for methods to determine admix to product ratios.

- A) Thoroughly mix 4 parts potable water to 1 part CAFCO CELLU-SHIELD Adhesive for standard build thickness applications (not to exceed 3”).
- B) Thoroughly mix 3 parts potable water to 1 part CAFCO CELLU-SHIELD Adhesive for high build application (not to exceed 5”).

**ADHESIVE ADMIX PUMP:**

**Recommended: Cool Machine** – MP-20, D-10  
Diaphragm pump capable of operating at 4.5 gpm and providing a minimum of 300 psi at the nozzle. Supply hose reduced to 3/8” OD to be connected to nozzle.

**HOSE SET-UP:**

Standard insulation hose of sufficient diameter to attach to cellulose machine.

**NOZZLE DISTANCE:**

36 in. to 48 in. from the substrate.

**APPLICATION & THICKNESS:**

CAFCO CELLU-SHIELD may be applied up to a 3 in. in a single pass without the use of additional adhesive or mechanical reinforcement. When multiple passes are necessary, a minimum of 24 hours is required between coats.

When thicknesses greater than 5” are required, contact the Isolatek Technical Department for recommendations.

\*For applications over 3” care should be taken to ensure that installed material maintains proper adhesion and that the material does not become bridged.

**APPLICATION TEMPERATURE:**

A minimum substrate and ambient temperature of 40°F (4°C) shall be maintained during and a minimum of 24 hours after the application.

**SURFACE PREPARATION & ADHESIVE:**

Ensure surfaces are clean and free of dirt, oil, grease, loose mill scale, paints/primers and any other materials that may impair adhesion. For applications to primed steel, contact Isolatek Technical Services Department. **Refer to the CAFCO CELLU-SHIELD Application & Installation Manual for specific requirements.**

**VENTILATION:**

Provide a minimum of 4 complete air exchanges per hour until the material is dry.

**NOTE:** Only the listed equipment, nozzles and procedures are approved for applying CAFCO CELLU-SHIELD. Deviations from these requirements will result in product not meeting claims as published in the literature. **For additional information, please contact the Technical Service Department.**