

This is an abbreviated guide and is not intended as a substitute for the Long Form 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:

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 CELLU-SHIELD Application and Installation Manual for methods to determine admix to product ratios.

- A) Thoroughly mix 4 parts potable water to 1 part CELLU-SHIELD Adhesive for standard build thickness applications (not to exceed 3").
- B) Thoroughly mix 3 parts potable water to 1 part 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:

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 FM Approval applications, minimum thickness of 2" is required with a tamped finish.

*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 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 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.**