

POLYURETHANE NON-CELLULAR ADHESIVE

■ **Description**

VFI – 850 is a two component, Fire retardant, Wind uplift tested, multi-purpose, Non-Cellular Adhesive Spray System.

■ **Usage**

The primary usage is for the adhesion of foam board, hard board and fleece-back single-ply roof membranes to a solid smooth or semi-smooth roof substrate.

Physical Properties

■ **Chemical Resistance**

Good hydrolytic stability to 180°F. Good resistance to inorganic bases, acids and hydrocarbon solvents. Fair resistance to oxygenated and chlorinated solvents.

Liquid Component Properties

■ **Viscosity @ 25°C (Brookfield)**

Poly Component: 400-600 cps
Iso Component: 600-800 cps

■ **Density**

Poly Component:
8.15 lbs./gal.(S.G. 0.978)
Iso Component:
9.77 lbs. /gal. (S.G. 1.17)

■ **Toxicity**

Iso component contains polymeric isocyanate requiring fresh air supply respirator, gloves, and protective clothing during application.

■ **Cleaning**

Clean equipment with Toluene, Xylene or M.E.K.

Application

■ **Material Preparation**

Thoroughly power mix the Poly component before beginning to apply. Usually this takes a minimum of 15 minutes per drum with proper mixing equipment dependent on product temperature. For specific mixers, blade and shaft length contact V.F.I. A hand mixer is not adequate.

■ **Equipment**

Plural component airless spray equipment capable of maintaining temperatures of 110° - 140°F, 1500 psi minimum pressure and a 1:1 volume mix ratio. Contact Volatile Free, Inc. for specific instructions and spray equipment needed.

■ **Mixing**

By volume:
1 to 1 ratio

■ **Reactivity**

Gel time: 22 seconds
Tack free time: 15-30 min.
Higher temperatures will shorten tack free times

■ **Storage**

One year in unopened containers at 50° - 90°F.

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