



**INTELLIGENT**  
ROOFING SOLUTIONS

FiberTite® Roofing Systems

## FiberTite Technical Bulletin #2015.001

Seaman Corporation • 1000 Venture Blvd. • Wooster, OH 44691  
www.fibertite.com

Issue Date: October 22<sup>nd</sup>, 2015  
Issued By: FiberTite Technical Services  
Re: Seaman Corporation / FiberTite SBS Products  
Solvent Borne SBS Adhesives

# FiberTite® SBS in Cold Process Application

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Seaman Corporation has established approvals for our FiberTite brand SBS Modified Bitumen Base Sheets in multi-ply Hybrid assemblies. These approvals were based upon installing the SBS membranes in hot asphalt or torch applied systems.

We have received and accepted numerous requests to install the SBS membranes in cold process (asphalt cut back) modified bitumen adhesive. This includes the use of the membranes as temporary roofs as well as vapor-retarders within various assemblies.

### **Temperature Restrictions - Cold Process Modified Bitumen Adhesive:**

The term “cold process” is a misnomer when discussing asphalt cut back adhesives. The adhesives and rolls of SBS must be warm at the point of installation to ensure proper adhesion and bonding. Store the adhesive and roll goods in a warm place immediately prior to use. Bulk warmers, inline heaters, or other pre-heating equipment should be used to maintain the proper viscosity of the adhesive when using mechanical application equipment. Suspend application in situations where the adhesive cannot be kept at temperatures allowing for even distribution.

The optimal temperature of the adhesive at point of application is 70°F (21°C).

To ensure proper application of the cold process adhesive and the SBS ply sheets, application ambient temperature and substrate must be a minimum 40°F (4°C) and rising.

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### Set Up Time – Cold Process Modified Bitumen Adhesive

The asphalt cut back adhesive is solvent-based and has a setup time, which is often referred to as “curing” time. During this time, the solvent evaporates or dissipates through the system, and the roofing sheets are in a softened state. The time needed for complete “cure” varies due to factors such as adhesive type, ambient temperature, solar load, wind, humidity, and number of plies, which all affect the evaporation rate of the solvent. Using too much adhesive can increase the softness of the sheets and extend cure time. The solvents can also effect polyurethane insulation adhesive and our [FiberTite](#) membrane adhesives. Therefore, they must be allowed to dissipate before covering and/or encapsulating the cold process modified bitumen assembly into the new [FiberTite Roof System](#).

Alternatively, the asphalt urethane blended adhesives are moisture cure products and set up or cure much quicker.

In consideration of the above, [Seaman Corporation](#) will continue to accept the use of the cold process assemblies under the follow conditions:

- Solvent borne modified bitumen adhesive must be allowed to sit or weather for a minimum of 14-days (with daytime temperatures above 40°F / 4°C) prior to the application of the above roof components.
- Asphalt urethane blended adhesives must be allowed to sit or weather for a minimum of 48-hrs (with daytime temperatures above 50°F / 4°C) prior to the application of the above roof components.
- All adhesives require approval from [FiberTite Technical Services](#) prior to use.

If you have any concerns or questions regarding the Bulletin, please feel free to contact [FiberTite Technical Services](#) at: 1-800-927-8578.

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