

## **SUBJECT: SEALING REQUIREMENTS FOR SIPS USED IN COMMERCIAL APPLICATIONS**

The purpose of this technical bulletin is to provide guidelines for the use of vapor retarders, Extreme's SIP Sealant, and SIP Tape for SIPs used in commercial applications. Building Codes require that for commercial structures where a whole-building ventilation system is not installed, insulated framed walls, floors, and ceilings must have vapor retarders installed on either the interior or exterior based on code requirements and local climate conditions.

In commercial structures that do not meet the ventilation requirements of the building code, Extreme Panel recommends that the building code within the local jurisdiction be followed regarding the installation of a vapor retarder. If a vapor retarder is required in your commercial project, Extreme Panels recommends the use of Extreme's SIP Tape over the panel joints. Extreme's SIP Tape is formulated with a permeance of less than 1.

Buildings with intended uses involving pools, spas, or other high-humidity conditions need to be evaluated by the mechanical design professional to ensure that adequate ventilation is provided to the structure. In high-humidity environments, special attention to SIP joint sealing, tape, or the use of a vapor retarder must be considered. The use of a complete wall and/or roof surface coverage vapor retarder, such as polyethylene sheeting, may be warranted based on the structure's exposure to interior high humidity, local building code, or climatic conditions. It is up to the design professional to make this determination. If an additional vapor retarder is utilized, it must be installed in compliance with the appropriate local building code.

That said, most commercial applications address ventilation by installing mechanical air handling and heating/cooling equipment. A mechanical engineer or HVAC consultant is typically involved with the design of the ventilation system for commercial buildings. The mechanical engineer's design will determine the amount of ventilation the structure requires, based on the intended use of the building. In most applications, the ventilation system provides for numerous air changes, which may preclude the need for Extreme's SIP Tape or other vapor retarders. In addition, commercial structures intended to be used for storage or general warehouse purposes may not require additional vapor control methods.

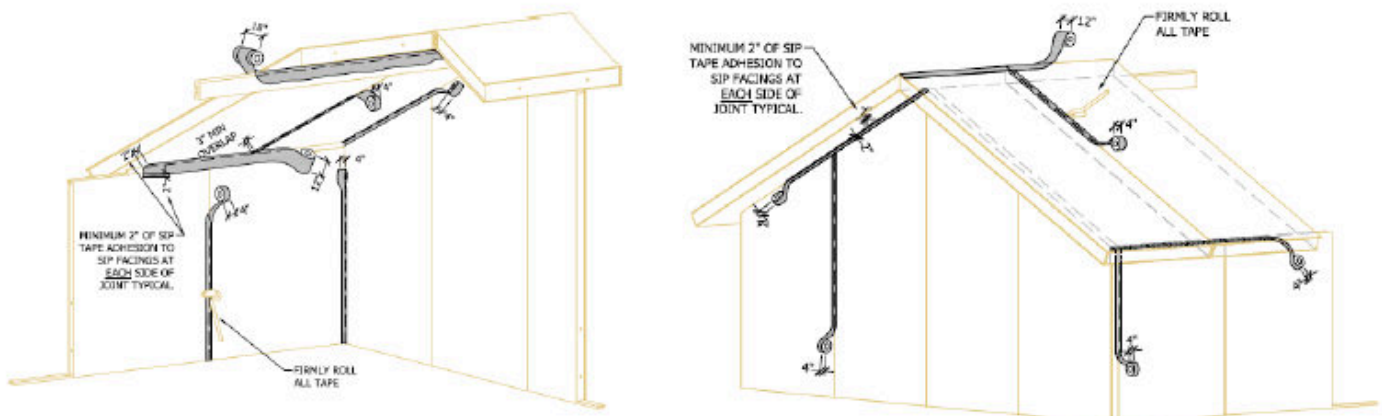
# TECHNICAL BULLETIN

## NO. M-2

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Refer to the Extreme's Technical Bulletin M-3, Vapor Retarders with Extreme SIPs, for more information on Extreme's SIP Tape.

Extreme Panel's Detail #EPT-105, 105A, and 105B specify the use and application of SIP Tape at all joints. A minimum of 2" SIP Tape adhesion to SIP facings on each side of the joint is required.



Refer to the Extreme Panel's Resource Manual, and Instructional Videos demonstrating Extreme's SIP Sealant and SIP Tape installation. These can be found at [www.extremepanel.com](http://www.extremepanel.com).