
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, Premier SIPS Sealant and 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, Premier SIPS recommends that the building code within the local jurisdiction be followed regarding installing a vapor retarder. If a vapor retarder is required in your commercial project, Premier Building Systems recommends the use of Premier SIPS Tape over the panel joints. Premier SIPS 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 in order 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 retarded 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 always 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 Premier SIPS Tape or other vapor retarders.

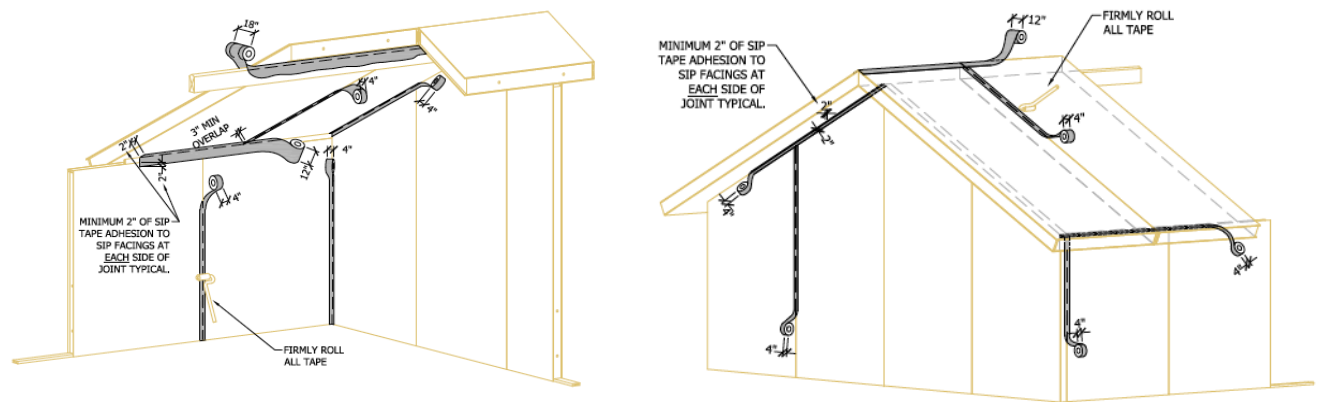
In addition, commercial structures intended to be used for storage or general warehouse may not require additional vapor control methods.

TECHNICAL BULLETIN

NO. M-2

Reference Premier Technical Bulletin, Vapor Retarders with Premier SIPS, for more information on Premier SIPS Tape.

Premier SIPS Detail #PBS-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 at each side of joint is required.



Refer to the Premier SIPS Resource Manual, Details and Instructional Videos demonstrating Premier SIPS Sealant and SIP Tape installation. These can be found at www.premiersips.com/sealant.