

Introduction

Vapor barriers can play an important role in the construction of a roof system and proper installation of these products is critical to their long-term performance. Although many products can be used as a vapor barrier, this installation guide is specific to the JM Vapor Barrier and JM Vapor Barrier SAR products and their corresponding primers, SA Primer and SA Primer Low VOC.

Storage

Improper storage of the JM Vapor Barrier products can negatively impact product performance. Prior to application, the membrane should be stored outside of direct sunlight unless covered in the original packaging shroud. Rolls should be stored on end and maintained in an upright position to prevent damage. Rolls and primers should be stored at >60°F (16°C) prior to application.

General Application Instructions

Surface Preparation: All surfaces must be swept clean and free of oil, grease, rust, scale, loose paint, and dirt. Adhesion tests are recommended for surfaces where conditions may vary.

Primer: SA Primer and SA Primer Low VOC must be mixed well prior to use. Do not thin. Refer to product data sheets for coverage information. Priming is required for plywood, gypsum or concrete board, concrete, or asphalt. Primers may be applied as a spray, or with a roller or brush. Application should be conducted in a uniform fashion with no streaks or puddles. Allow the primer to dry completely. Do not accelerate drying of primers with heating. Primer should be tacky, but not transfer to finger. Primer must be free of dust, frost, or any other debris at the time of membrane application.

JM Vapor Barrier SA and SAR Installation

JM Vapor Barrier SA should be allowed to relax prior to installation. Roll out Vapor Barrier membrane into desired location. Be sure to stagger end laps and overlap side laps by a minimum of 3" as indicated on the surface film of the products. End laps should have a minimum of 6" of overlap and end lap "T" joints should be cut at a 45° angle. Special attention should be paid to adhesion at end and side laps. At end laps on steel decks, a 6 x 39.5" metal plate should be installed to support the lap between the deck ribs. Remove release liner at an angle to expose adhesive surface. JM Vapor Barrier SAR may be installed by folding the membrane in half lengthwise and removing the split-back release liners individually. Roll membrane immediately after installation with a minimum 75 lb roller. The entire surface should be rolled, side and end laps should be rolled with a hand roller as well to ensure full contact.

If membrane is to be exposed for extended periods it is recommended to apply SA Primer or SA Primer Low VOC to side and end laps and to apply a bead of JM Single Ply LVOC Caulk or MBR Utility Cement along laps and T-Joints.

Clean Up

Tools can be cleaned using solvents such as mineral spirits. Use care when handling solvents. Clean hands with waterless hand cleaner.