

RedLINE® ENCAPSULATION INSTALLATION

FOR USE WITH: COLD APPLIED ADHESIVES

INTRODUCTION

The process of installing the RedLINE in cold adhesive is similar to the embedment in asphalt. The cold adhesive is applied to the prepared substrate. The curing time of the cold adhesive is dependant upon the weather conditions. The applicator is advised to contact the cold adhesive manufacturer and SITURA prior to commencing the installation. In general the installation procedure is described as follows:

STEP 1: SUBSTRATE PREPARATION

Clean and dry the substrate and ensure it is free of any debris or dirt in accordance with the cold adhesive manufacturer's recommendations. Pack the expansion joint gap with compressible batt insulation.

STEP 2: ALIGNMENT

Unroll the RedLINE material and position it over the expansion joint. The polyester fleece on the RedLINE material must be kept dry at all times. Position the RedLINE in such a manner as to verify the correctness of the fit of all its supplied components. The starting location is indicated on the drawings supplied with the RedLINE roll.

STEP 3: ADHESION & ENCAPSULATION

The application of RedLINE in a cold adhesive is dependant upon weather conditions. The manufacturer's application guidelines must be followed. Typically the RedLINE is encapsulated in the cold adhesive. A coat of the adhesive is applied directly to the substrate, and the RedLINE is laid into the adhesive. The manufacturers' recommendation with regards to the flash off time must be observed, before the RedLINE is laid in.

Following this application, it is always recommended that the RedLINE be secured to the substrate with flat headed nails spaced at 8" [200 mm] on center staggered. This mechanical fixation is a temporary measure to allow for the curing of the cold adhesive and retain the RedLINE in place should any expansion or contraction movement take place during the curing adhesive process. Following the mechanical securement, the top fleece surface of the RedLINE material is coated with the cold adhesive and the roofing/waterproofing membrane is laid into the adhesives.

Always follow the manufacturer's application guidelines regarding the application of membrane in a cold adhesive.

STEP 4: PROTECTION LAYER (OPTIONAL)

If an additional protection layer is required, adhere with the cold adhesive a compatible strip of modified bitumen membrane to one side of the joint, covering the exposed part of the RedLINE material. This allows for the free movement of the protection layer.

TAKE NOTE...

**POINTS TO NOTE WHEN INSTALLING RedLINE IN
A COLD APPLIED ADHESIVE**

1. Ensure that the RedLINE material fleece is dry. If by chance it is exposed to moisture, dry it out prior to application either by hot air drying or laying it out in the sun.
2. Ensure that the RedLINE fleece is fully saturated with the cold adhesive. Adjust quantities to allow for saturation and flash off.
3. If necessary secure the RedLINE with flat headed nails to allow the cold adhesive to flash off and reach its full strength.
4. Always follow the cold adhesive manufacturer's recommendations.

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▲ The expansion joint is identified on site and the RedLINE is checked for proper fit.



▲ Prior to the application of the RedLINE the surface needs to be primed.

A bed of cold adhesive is applied onto the primed surface for the RedLINE to be laid into.





▲ The RedLINE is embedded in the cold adhesive bed.

▼ The RedLINE is secured in place using flat headed nail. This necessary for temporary fixation.



▲ Pressure is applied over the RedLINE so the fleece is fully coated with the adhesive.

▼ The top side of the RedLINE is coated with the cold adhesive to provide waterproofing continuity.

