

## RedLINE® ENCAPSULATION INSTALLATION

### FOR USE WITH: LIQUID APPLIED MEMBRANES

#### INTRODUCTION

The process of installing the RedLINE in a liquid applied membrane is similar to the embedment in asphalt. The liquid membrane is applied to the prepared substrate. The curing time of the liquid membrane is dependant upon the weather conditions. The applicator is advised to contact the liquid membrane 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 liquid membrane 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 liquid applied membrane is dependant upon weather conditions. The manufacturer's application guidelines must be followed. Typically the RedLINE is encapsulated in the liquid applied membrane. A coat of the membrane is applied to the substrate, and the RedLINE is laid into the liquid membrane while wet. The manufacturers' recommendation with regards to the flash off time must be observed, before the RedLINE is laid in. Following the substrate embedment, the top fleece surface of the RedLINE material is coated with the liquid membrane and allowed to cure as per the membrane manufacturers requirements.

#### STEP 4: PROTECTION LAYER (OPTIONAL)

If an additional protection layer is required, adhere with the liquid membrane a compatible strip of protection board 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 LIQUID MEMBRANE

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 encapsulated within the liquid membrane matrix.
3. Apply sufficient quantities of liquid taking into account the absorption of the RedLINE fleece.

## RedLINE® ENCAPSULATION INSTALLATION IN A LIQUID APPLIED MEMBRANE



▲ The expansion joint cavity exposed at a detail, prior to membrane application.



▲ The RedLINE is unrolled to check for fit.

▼ RedLINE laid out at a detail on site prior to encapsulation.





▲ Rolling in the liquid membrane on to the RedLINE.



▲ The RedLINE being encapsulated on the top surface in a liquid membrane.

▼ The completed RedLINE expansion joint encapsulated in liquid membrane.





▲ A close up of the RedLINE expansion joint encapsulated in liquid membrane.



▲ A drain detail next to the RedLINE, note the liquid membrane continuity.

▼ Finishing surface being constructed over the RedLINE joint.

