

## **RedLINE® ENCAPSULATION INSTALLATION**

### **FOR USE WITH: SPRAY POLYURETHANE FOAM APPLICATION**

#### **INTRODUCTION**

This installation technique is used predominantly in roofing. The process of installing the RedLINE is dependant upon the cure time of the polyurethane. Certain types of polyurethane cure longer, thus allowing for the embedment of RedLINE into the base coat of the polyurethane, others cure quicker. For quicker curing times the RedLINE must be embedded into the coating of the polyurethane roof. Regardless of the embedment medium, the procedure of RedLINE encapsulation is very similar. The applicator is advised to contact the manufacturer and SITURA prior to commencing the installation.

#### **STEP 1: SUBSTRATE PREPARATION**

Clean and dry the substrate and ensure it is free of any debris or dirt in accordance with the spray polyurethane 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**

Typically the RedLINE is encapsulated in the coating layer of the polyurethane foam. The coating layer is applied once the base coat of the urethane has set. Coat the base layer of the polyurethane foam with the manufacturer's recommended coating and lay in the RedLINE material. Immediately coat the top surface of the RedLINE, thus encapsulating the RedLINE in the coating layer of the Spray Polyurethane Foam roof assembly.

#### **TAKE NOTE...**

#### **POINTS TO NOTE WHEN INSTALLING RedLINE IN SPRAY POLYURETHANE FOAM**

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 polyurethane matrix.
3. Always follow the spray polyurethane membrane manufacturer's recommendations.

## RedLINE® ENCAPSULATION INSTALLATION WITH SPRAY POLYURETHANE FOAM ON CONCRETE



▲ An expansion joint gap at a foundation wall.



▲ The RedLINE joint is laid into a bed of freshly sprayed polyurethane.

The RedLINE is secured to the concrete substrate with termination bars. This securement is necessary for heights over 4 ft. [1.2 m].





▲ The RedLINE is secured to the concrete substrate with termination bars all the throughout its height.



▲ The RedLINE being covered with the polyurethane.

▼ The completed RedLINE installation in a sprayed polyurethane material.

