

## **FlamLINE® ADHERED INSTALLATION**

### **FOR USE WITH: SELF ADHERED MEMBRANES**

#### **INTRODUCTION**

This installation technique is used predominantly in roofing and waterproofing systems that use a self adhered membrane. The process of installing the FlamLINE waterproofing joint system is simple, note that the FlamLINE material contains no asphalt. The complete expansion joint material is shipped in a roll with all detailing prefabricated. Installation takes place as roofing/waterproofing progresses. The installation procedure is described as follows:

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

Identify the start installation location from the plan accompanying the roll of FlamLINE waterproof expansion joint material. Roll out the FlamLINE and allow it to relax, until flat, prior to application. Make sure that the building expansion joint is clean and free of debris and has been packed with compressible batt insulation or a backer rod installed.

#### **STEP 2: ALIGNMENT**

Align the center line of the expansion joint gap or gap with the centre line of the FlamLINE waterproof expansion joint material, and verify the FlamLINE conformance to site details prior to the torching application.

#### **STEP 3: SUBSTRATE PREPARATION**

FlamLINE material does not contain any asphalt, it therefore has to be set in a bed of asphalt based adhesive, prior to the application of the self adhered membrane. A coat of cold adhesive such as polybitumen can be used, consult roofing/waterproofing membrane manufacturer for a compatible product. Note the substrate may be need to be primed.

#### **STEP 4: PRIMING**

Apply a compatible primer recommended by the self adhered membrane manufacturer, to the FlamLINE top surface. Allow the primer to flash off.

#### **STEP 5: APPLICATION**

Align the center line of the expansion joint gap with the centre line of the FlamLINE waterproof expansion joint material and set the FlamLINE in the pre applied bed of adhesive. The FlamLINE maybe additionally secured to the substrate with a flat termination bar (stainless 16 ga. min) fastened at 8" [200 mm] on center staggered. The requirement for additional securement would depend on site conditions and design performance requirements. Apply the self adhered membrane to the primed FlamLINE surface, covering the termination bars if installed. Use a roller to apply uniform pressure to the self adhered membrane to achieve a good bond.

#### **STEP 6: ADDITIONAL PROTECTION COURSE**

FlamLINE can be additionally protected from mechanical damage by the installation of a 12" [300 mm] wide strip of modified bitumen cap sheet, secured by mopping or torching to one side of the expansion joint. Alternatively in the case of waterproofing a generic protection board can be used.

**TAKE NOTE...**

**POINTS TO NOTE WHEN ADHERING TO FlamLINE MATERIAL**

1. The FlamLINE must be adhered to the substrate with an adhesive or a self adhered membrane.
2. Ensure that the top surface of the FlamLINE material is completely bonded to the stripped in self adhered membrane.
3. On vertical heights over 4 feet [1.20 m] use metal bars to secure the FlamLINE prior to stripping in.
4. Follow all manufacturer's recommendations as they pertain to the installation of self adhered membranes.