

## RedLINE® MOPPING INSTALLATION

**FOR USE WITH:  
HOT RUBBERIZED ASPHALT**

### INTRODUCTION

This installation technique is used predominantly in waterproofing systems that are on green roofs, below grade or on plaza decks. The process of installing the RedLINE waterproofing joint system is simple. The complete expansion joint material is shipped in a roll with all detailing prefabricated. Installation takes place as waterproofing progresses. The installation procedure is described as follows:

#### STEP 1: SUBSTRATE PREPARATION

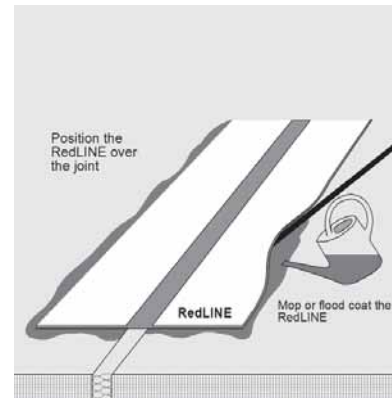
Clean and dry the substrate ensuring it is free of debris and dirt. Pack the expansion joint gap with compressible batt insulation or preferably with a polystyrene backer rod.

#### STEP 2: ALIGNMENT

Unroll the RedLINE material and position it over the expansion joint. Verify the correct fit of the roll. The starting location is indicated on the drawings supplied with the RedLINE.

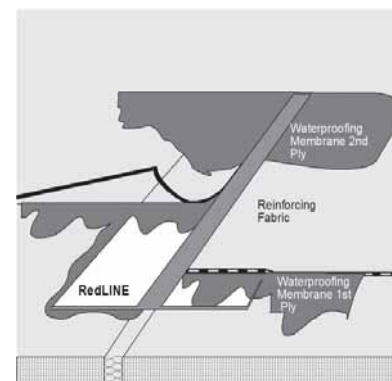
#### STEP 3: ADHESION

The polyester fleece on the RedLINE material must be kept dry at all times. A wet fleece surface will result in blisters, once hot liquid is applied to it. Apply the first coat of Hot Rubberized Asphalt at the manufacturer's recommended minimum thickness, immediately embed the RedLINE waterproof expansion joint material, making sure that the bottom polyester fleece is in full contact with the hot asphalt. Press the RedLINE material into the hot asphalt. Always lay the RedLINE expansion joint material only in lengths which allow for immediate contact with the hot asphalt material. Do not lay the RedLINE in cold asphalt. The asphalt must stick to both the RedLINE fleece and substrate without delaminating from either surface.



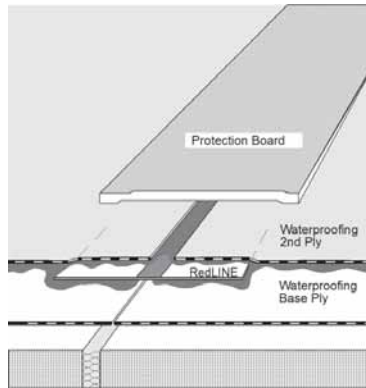
#### STEP 4: STRIPPING IN

Spread an even coat of Hot Rubberized Asphalt on the top surface of the RedLINE expansion joint ensuring the top white polyester fleece is completely covered; embed a reinforcing fabric mesh overlapping the edge of the RedLINE by 2"-3" [50 mm to 75 mm] and ensuring full contact. Apply a second coat of Hot Rubberized Asphalt on top of the reinforcing fabric mesh at the manufacturer's minimum recommended thickness. Ensure that the asphalt is at the correct EVT at the point of application. Fully coat the RedLINE fleece with asphalt an indication of this is no white fleece showing.



### STEP 5: PROTECTION LAYER (RECOMMENDED FOR OVERBURDEN APPLICATIONS)

If an additional protection layer is required, mop or torch a compatible strip of modified bitumen membrane to one side of the joint, covering the exposed part of the RedLINE material. Alternatively, a standard high density polypropylene (HDPB) board can be used as protection by simply placing it over the RedLINE joint prior to the placement of any overburden.



#### TAKE NOTE...

#### POINTS TO NOTE WHEN MOPPING RedLINE IN HOT RUBBERIZED ASPHALT

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. The Hot Rubberized Asphalt used must be at its EVT when applied to the RedLINE fleece.
3. Ensure that the RedLINE fleece is fully encapsulated within the Hot Rubberized Asphalt.
4. Always lay the RedLINE expansion joint material only in lengths which allow for immediate contact with the hot material. Do not lay the RedLINE in cold material.
5. Install a protection board for any waterproofing application which will require overburden placement over the RedLINE expansion joint system.

## A MOPPING RedLINE® APPLICATION WITH HOT RUBBERIZED ASPHALT



▲ The cleaned expansion joint cavity and primed concrete substrate.

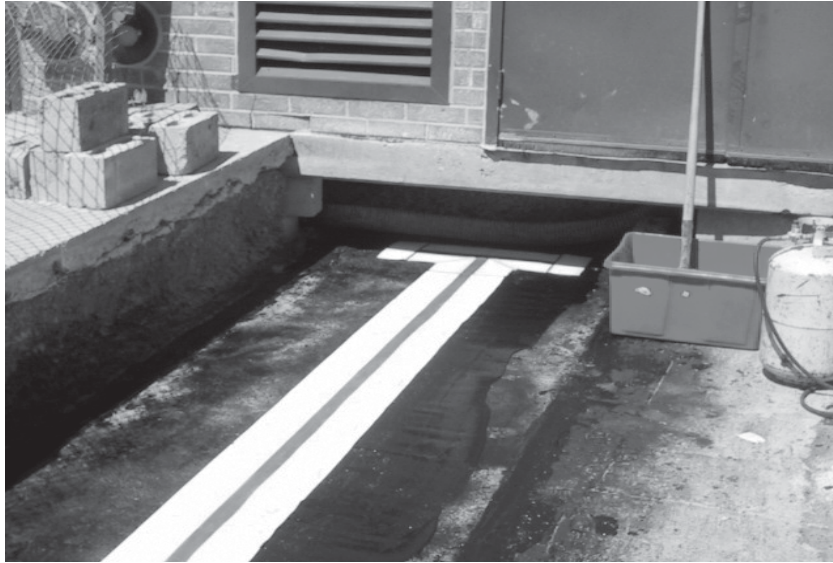


▲ Applying hot asphalt onto the concrete substrate.

▼ The RedLINE is being rolled out into the hot asphalt.

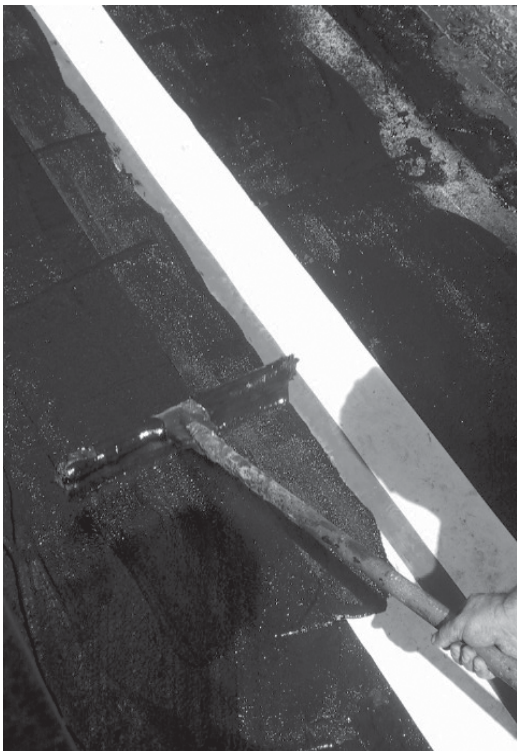






▲ The RedLINE in place set in hot rubberized asphalt.

- ▼ Applying the first coat on top of the RedLINE.



- ▼ Setting out the membrane reinforcing fabric over the first coat.





▲ Reinforcing fabric applied to one side of the RedLINE joint (joint termination shown).



▲ Applying the HRA reinforcing fabric on to the RedLINE as per the hot rubber manufacturer requirements.

▼ The applied reinforcing fabric, note the RedLINE gland is not covered.







▲ Applying the second coat of hot rubberized asphalt over the reinforcing fabric.



▲ The protection board being installed over the joint shingle fashion.

▼ The completed installation.

