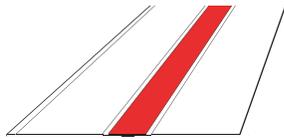


# RedLINE® Tie-in for Single Ply Membranes

## DESCRIPTION

RedLINE Tie-in is a dual roof membrane tie-in system. It effectively solves the problem detail of single ply roof membrane connection to other incompatible roof systems. The RedLINE Tie-in material is specially formulated to provide a long term performance solution to cross roofing system compatibility, specifically between Built-Up-Roofing, Coal Tar Pitch, mopped Modified Bitumen, Hot Rubberized Asphalt, Spray Polyurethane Foam and single ply roofing systems such as thermoplastic and thermoset.



The RedLINE Tie-in is comprised of a continuous material strip compounded of a specially formulated elastomer with polyester

fleece embedded in the selvage edge on both sides. RedLINE Tie-in is supplied directly to the job site in a roll with all detail work done and seamed together by a proprietary vulcanizing process, which results in monolithic and elastic seamed joints. Seaming can also be done on site if required. The advantages of using RedLINE Tie-in include the elimination of wood curbs, metal components such as metal flashing, nails and screws, caulked or glued seams resulting in significant labor savings. The flat profile of the RedLINE Tie-in also does not obstruct the flow of water to drainage resulting in the elimination of ponded water. RedLINE Tie-in is manufactured from a saturated elastomer which is chemically stable and has excellent resistance to weathering.

## ADVANTAGES

RedLINE Tie-in has number of advantages over conventional tie-in solutions:

- No restrictions as to ponding water or direction of water flow against seam laps
- Flat profile, Waterproof, vulcanized seams
- Any detailing and unique shapes possible
- Compatible with Thermoset/Thermoplastic membranes along with either Built-Up-Roofs (BUR), Modified Bitumen or Coal Tar Pitch

## MATERIAL DATA

The RedLINE Tie-in is used to connect two incompatible roof membrane assemblies.

## TECHNICAL DATA

Property & Test Method	Results
Hardness Shore A ASTM D-2240	45 ± 5
Lap Joint Strength ASTM D-816	Same as base material
Low Temperature Flex ASTM D-746	-70°F [-57°C]
Ultimate Elongation ASTM D-412	500 %
Tear Resistance ASTM D-624 Die C (minimum)	220 lbs/in [38.52 N/mm]
Puncture Test CGSB 37.56 M96 (minimum)	15 lbs [68.10 N]
UV Exposure ASTM G-53 5000 hours	No Cracks or Cracking

Chemical Resistance to:  
Acids, Alkalis, Polar Solvents  
Saline Solutions

No effect

## PHYSICAL DATA

Property	RedLINE Tie-in
Thickness	0.118" [3.0 mm]
Roll Width	12" to 24" [300 mm to 600 mm]
Tie-in width	Min. 4" [100 mm]
Roll Length	Endless
Weight	0.55 to 0.81 lb/ft [0.80 to 1.20 kg/m]
Color	Red

## MOVEMENT RANGE

The RedLINE Tie-in has a restricted movement range depending on actual site conditions and existing tie-in membranes. To obtain specific engineering criteria please contact SITURA at 1-888-4-SITURA (1-888-474-8872).

## TYPICAL USES

The RedLINE Tie-in can be used in variety of situations, when incompatible materials have to tie in.

- BUR/EPDM (or PVC) Roof Tie-in
- Modified Bitumen/EPDM (or PVC) Tie-in
- Coal Tar Pitch/EPDM (or PVC) Tie-in
- Protected Roof Membrane Assembly tie in to a regular roof

## STORAGE

Store rolls on end, on original pallets or elevated platform. Protect from weather or store in an enclosed area. Do not allow the RedLINE Tie-in fleece to get wet.

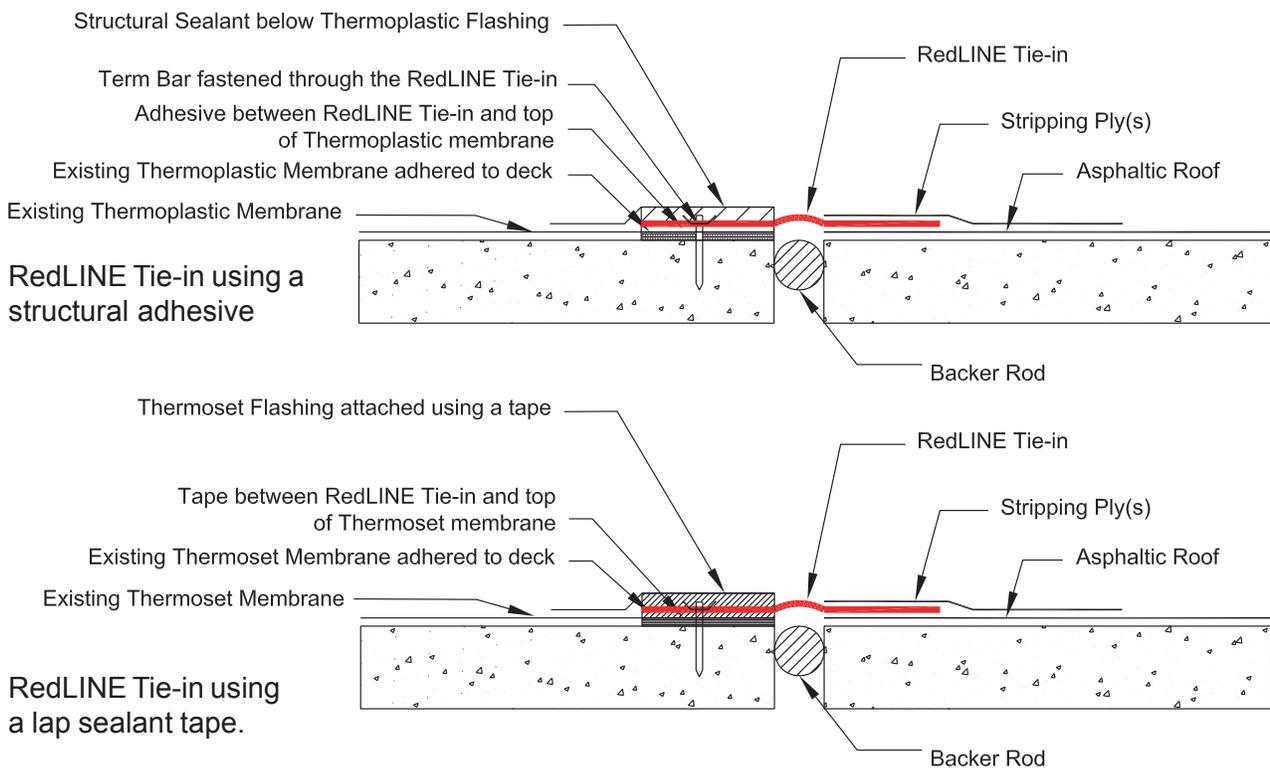
## SURFACE PREPARATION

Refer to roofing/waterproofing manufacturer's guide specifications and recommendations for detailed roofing/waterproof membrane application information. All surfaces must be dry and clean of debris, prior to application.

## APPLICATION

Identify the location of the tie-in detail. Roll out the RedLINE Tie-in and allow it to relax prior to application. Make sure that the substrate is clean and free of debris. Align the selvage edge of the RedLINE over the installed single ply roof membrane, in such a manner that a least 4" [100 mm] width is over the single ply membrane, (either on top or the bottom).

Fold back the RedLINE Tie-in on itself and clean the single ply membrane in accordance to the single ply membrane manufacturer's requirements. Once the single ply roof membrane has been cleaned, primed (if necessary) and allowed to dry, apply the membrane manufacturer compatible structural adhesive or compatible adhesive sealing tape on to the single ply membrane and embed the RedLINE Tie-in. Once the adhesive has set, apply a coat of adhesive over the RedLINE Tie-in and strip in the single ply membrane, as shown on the details below, a termination bar may be required. Once the RedLINE Tie-in has set, install the fleece end to the adjacent roof, as if installing a regular RedLINE expansion joint, by mopping and stripping into the roofing plies.



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