

RedLINE® 06 Waterproof Expansion Joint System

DESCRIPTION

RedLINE 06 waterproof expansion joint system is used for waterproofing expansion joints in structures, where there are small movements, typically building closure joints, concrete crack repair such as commercial and repair of splits in roofing and waterproofing membranes. RedLINE 06 is specifically designed to accommodate movements, up to 1/4" [6 mm]. RedLINE 06 is typically installed in an epoxy resin.

RedLINE 06 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 flat profile of the RedLINE 06 joint also does not obstruct the flow of water to drainage resulting in the elimination of ponded water as well as it's flat profile is unobtrusive to building finishes. RedLINE 06 is manufactured from a saturated elastomer which is chemically stable and has excellent resistance to the effects of weathering.

TYPICAL USES

RedLINE 06 waterproof expansion joint system is designed to be used for:

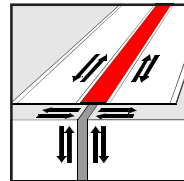
- Concrete Control Joints
- Prefabricated Panel Joints
- Repairing Roof Splits
- Waterproofing Concrete Saw Cut Joints
- Small Building Closure Joints
- Crack Control Joints
- Pavement Control Joints
- Precast Panel Joints
- Crack Control Joints



RedLINE 06 being installed in epoxy.

EXPANSION/CONTRACTION RANGE DATA

The RedLINE 06 waterproof expansion joint system is designed to accommodate 3 way movements concurrently.



Movement	RedLINE 06
Horizontal	± 1/4" [± 6 mm]
Vertical	± 1/8" [± 3 mm]
Shear	± 3/16" [± 5 mm]

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)	180 lbs/in [32.14 N/mm]
Puncture Test CGSB 37.56 M96 (minimum)	5 lbs [22 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 06
Thickness	0.071" [1.8 mm]
Roll Width	7" [175 mm]
Expansion Joint Gland Width	5/8" [15 mm]
Roll Length	Endless
Weight	0.15lb/ft [0.23kg/m]
Color	Red or grey

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 06 expansion joint 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 start installation location from the plan accompanying the roll of RedLINE 06 waterproof expansion joint material. Roll out the RedLINE 06 and allow it to relax prior to application. Make sure that the building expansion joint is clean and free of debris and has been packed with compressible batt insulation. Align the center line of the expansion joint gap or gap with the centre line of the RedLINE 06 waterproof expansion joint material, and verify the RedLINE 06 conformance to site details prior to the application. Below is a brief description of typical RedLINE applications.

Installation in Epoxy Resin: (Recommended Application)

RedLINE 06 is frequently installed on a concrete substrate. The preferred method is using a two part epoxy resin. The RedLINE material is laid down in a prepared bed of epoxy. The underside surface of the RedLINE is NOT coated. The RedLINE is pressed firmly into the epoxy, to wholly encapsulate the polyester fleece. Once the underside surface of the RedLINE has been laid into the epoxy resin bed, the top side fleece surface is coated. A uniform layer 1/16" [2 mm] thick is applied to the top side surface of the RedLINE, using a trowel. All the exposed fleece material must be covered. The epoxy must encapsulate wholly a minimum of 1 3/4" [40 mm] of the RedLINE fleece edging and extend a minimum of 3/4" [20 mm] onto the substrate.

ADDITIONAL PROTECTION COURSE

RedLINE 06 can be additionally protected from mechanical damage by the installation of a strip of light gauge metal flashing can be used.