

F- JOINT

Expansion joint seal EPDM membrane



CC Technique Product Data Sheet

Edition: December 2015

Division: 7

Thermal & Protection

■ The Product

F-joint is an adamant, high flexible fleece backed EPDM membrane. It is used for waterproofing and ensuring pre-formed expansion joints on roofs, car parks....

F-joint tolerates direct contact with hot materials such as mastic asphalt and hot rubber.



■ Uses

F-joint is ideal for buried expansion joints, roof decks and up stand flashing.

It is also used on surfaces and sealing joints where constant movements take place.

It can be even immersed in water.

F-joint is used in horizontal and vertical applications, or where the joints are irregular or incorrectly aligned.

■ Advantages

- Fleece back improves adhesion with bituminous membrane.
- Bitumen resistant.
- UV resistant
- Water resistant
- F-joint is very flexible it can be shaped around even complicated details in one layer.
- F-joint can be folded into C or S bends inside the joint.
- It bounds to goods to good concrete, fully cured asphalt rubber, steel, aluminum and even fiber glass.

- F-joint performs well over wide temperature range

■ Instruction for use

It is very important to prepare the substrate. Ensure that the area is free of debris and the surface is smooth.

- Any crumbling concrete should be repaired and cured
- No grease or oil can be present on the mastic asphalt surface
- Steel is best prepared by grit-blasting
- The area should be dry and frost free
- It is recommended to remove all dust and dirt with a vacuum cleaner
- The cavity must be packed with a suitable joint filler
- F-joint must be wiped with a solvent to remove all traces of grease or oil

■ Application

Fully adhered under tiles:

Roll out the F-Joint and allow the membrane to relax for half an hour. Sweep all loose debris from the substrate

Stir Bound Joint adhesive and apply it to both substrate and A-Joint

Allow adhesive to dry until it is tacky

Roll F-Joint into the coated substrate while avoiding wrinkles.

1) Loose laid under expansion joint cover:

Roll out the F-Joint and allow the membrane to relax for half an hour. Sweep all loose debris from the substrate. Apply PLY-FLEX 1200one part PU sealant strip between the concrete and F-joint. Roll F-Joint into the substrate while avoiding wrinkles. Fix the expansion cover joint mechanically directly above the F-Joint.

■ Physical and chemical characteristics

Property	Value	Test Method
Tolerance on Nominal Thickness,%	ASTM D412	+ 10
Weight, lbf/ft ² (kg/m ²)		
Tensile Strength, min, psi(Mpa)	ASTM D412	1600(11.0)
Elongation, Ultimate, min, %	ASTM D412	480
Tear Strength, min, lbf/in (kN/m)	ASTM D624 (die C)	200 (35.0)
Resistance to Heat Aging Properties after 28 days@ 240°F{116°F}	ASTM D573	
Tensile Strength, min, psi (Mpa)	ASTM D412	1500(10.3)
Elongation, Ultimate, min, %	ASTM D412	225
Tear Strength, min, lbf/in (kN/m)	ASTM D624	215(37.6)
Linear Dimensional Change, max, %	ASTM D1204	-0.4
Ozone Resistance* Condition after exposure to 100 pphm Ozone in air for 168 hours@104°F {40°C} Specimen is at 50% strain	ASTM D1149	No cracks
Brittleness Temp., max, °(°C)*	ASTM D746	-49(-45)
Resistance to water absorption* After 7 days immersion@158°F (70°C) Change in mass, max, %	ASTM D471	+2.0
Water Vapor Permenance+ Max perms	ASTM E96	0.05
Resistance to Outdoor (Ultraviolet) weathering* Xenon-Arc, 7560 kJ/m ² total radiant exposure at 0.70 W/m ² irradiance, 80°C black panel temp	ASTM G155	No cracks No crazing

Code	Description	Color	Unit of sale	Width	Base Unit
XJ200250	EXPANSION JOINTCOVER EPDM MEMBRANE	BLACK	ROLL	250	LM
XJ200300	EXPANSION JOINTCOVER EPDM MEMBRANE	BLACK	ROLL	300	LM
XJ200350	EXPANSION JOINTCOVER EPDM MEMBRANE	BLACK	ROLL	350	LM
XJ200400	EXPANSION JOINTCOVER EPDM MEMBRANE	BLACK	ROLL	400	LM