

Non Absorbent, Closed Cell Polyethylene Joint Filler

Guardian PE Joint Filler is a non-absorbent, rot proof, closed cell polyethylene joint filler which is semi rigid and particularly suitable to from expansion joints in brick-work, blockwork and concrete.

USES & ADVANTAGES

Guardian PE Joint Filler may be used as back up & bond breaker to support sealants and forming or filling expansion joints e.g. in bridge decks, parapets, abutments, subways, sewage treatment works, raw & potable water reservoirs, irrigation channels & culverts, brick & blockwork in building superstructures, water retaining structures, traffic joints in chemical plants, road joints, joints in chemical bunded areas.

Advantages include:-

- Bitumen free.
- C.F.C free.
- Rot proof.
- Non absorbent. Non tainting.
- Dose not expand where in contact with water.
- Does not damage joint sealant.
- Resilient.
- Excellent recovery after compression.
- Easily cut on site to size required.
- Low load transfer.
- Readily compressible.
- Excellent chemical resistance.
- Particularly recommended for storage of potable water.

PROPERTIES

Form:	Semi rigid closed cell heat laminated sheet. Grey colour.	
Density:	50 kgs/m ³	
Thermal Conductivity:	0.022 W/mK at 17.5°C	(ASTM C177-97)
Water Absorption:	0%	
Flammability:	HF-2	
Compressive Strength:	1.7 N/CM ²	@10 %
	3.4 N/CM ²	@25 %
	8.9 N/CM ²	@50 %
Elongation		
First Direction:	94.70 %	
Second Direction:	107.10 %	
Tensile Strength		
First Direction:	36.7 N/CM ²	
Second Direction:	69.7 N/CM ²	
Tearing Strength:	35.6 N/CM ²	
UV Resistance:	Excellent with paint	
Chemical Resistance:	No change	(ASTM D1308)

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APPLICATION

When installed in expansion joints between suspended slabs copper nails or adhesive may be used to hold in place. **Guardian PE Joint Filler** is particularly suitable for expansion joints between bricks.

Joint sealing slots can be easily formed by cutting off a strip to the required depth. Put the strip back by fixing with 5 cm. nails at intervals. Install the filler flush with the finished surface. Before sealing the top strip can be easily removed leaving a clean, ready to fill slot. Bond breakers are not required with **Guardian PE Joint Filler** as elastomeric sealants will not bond to it.

IMPORTANT NOTE

Unlike fibre boards Guardian PE Joint Filler Cell does not damage elastomeric sealants. In general bitumen impregnated fibre boards should not be used with elastomeric sealants as mobile fractions attack & damage the sealant. Use Guardian PE Joint Filler in conjunction with Guardian elastomeric joint sealants. Bitumen fibre boards tend to absorb water & expand Guardian PE Joint Filler does not absorb water

CONSUMPTION

Guardian PE Joint Filler is supplied in sheets which can easily be cut to size with a knife or saw.

Sheet width: 0.6 m.
Sheet Thickness: 10, 15, 20, 25 mm.

Guardian PE Joint Filler can be cut to order. Other thickness available.

STORAGE & SHELF LIFE

Store in clean area. In hot climates it is preferable not to leave exposed for long periods. Shelf life is indefinite.

HEALTH & SAFETY

There are no health hazards associated with **Guardian PE Joint Filler** in normal use.

TECHNICAL SERVICE

Guardian Coating Service Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

QUALITY ASSURANCE (OEM)

ISO 9001: 2015 verified by TUV Nord.
ISO14001:2015 verified by Lloyd's Register International.