

Closed Cell Polyethylene

Description

LaMaCo **Form Board PE** is a closed cell, crossed linked, non-absorbent polyethylene expansion joint filler board for use in expansion and isolation joints in concrete and masonry structures. **Form Board PE** is UV resistant, has excellent weatherability, is non-adsorbent and has excellent properties allowing it to be used in water retaining/excluding structures where, potable, salt, chlorine and sewerage water is prevalent.

ADVANTAGES

- Non-absorbent
- Excellent weatherability
- No bitumen content
- Non extruding from joint movement
- Lightweight
- Resistant to ultraviolet light
- Ability to compress and recover
- Suitable for submerged or trafficable

AREA OF APPLICATION

- Slab on ground
- Brickwork and blockwork
- Reinforced concrete structures
- Concrete roads and pavement
- Suspended slabs
- Basement and tunnels
- Water retaining / excluding structures
- Dams and reservoirs

Typical Properties		Method	Unit	Result
Density		ISO 845	kg/m ³	25
Tensile Strength		ISO 1798	MPa	0.21
Elongation at Break		ISO 1798	%	90
Compression Stress Strain at Deflection	10%	ISO 3386	KPa	13
	25%	ISO 3386	KPa	33
	50%	ISO 3386	KPa	91
Tear Strength		DIN 53507	N/mm	0.6
Compression Set (22n, 25%, 25°C) after	0.5h	ISO 1856	%	<15
Compression Release	24h	ISO 1856	%	<8
Water Absorption after 28 days		DIN 53433	Vol%	<3

Specification

The expansion joint fillerboard shall be **Form Board PE**, closed cell polyethylene fillerboard material, with a minimum density of 25kg/m³, as supplied by LaMaCo. The fillerboard must also be supplied with a factory pre-cut, zipped top, to a minimum depth of 10mm to aid in easy and clean removal for easy joint sealant application. The application/installation of the product must be in accordance with the manufacturer's recommendations.

Application of Method

Form Board PE is supplied in roll form at different heights to suit the depth of the joint. **Form Board PE** is adhered to the first concrete structure by a contact adhesive. Adhesive is applied directly to the sheet in 50mm diameter 'spots' @ 300mm centers (approximately) or as required. Also refer to our installation method, available upon request.

Size

10mm x 1000mm x 1000mm/10 pcs branch
20mm x 1000mm x 1000mm/5 pcs branch

Handling Precautions

Mandatory and recommended industrial hygiene procedures should be followed whenever our products are being handled and processed. For additional information please consult the corresponding product safety data sheets and the brochure "Hygienic Precautions for Handling Plastic Products"

The General Term & Conditions

All recommendations for use of our product, whether given by us in writing, verbally, or to be implied from the results of tests carried out by us are based on the current state of our knowledge. Notwithstanding any such recommendations the Buyer shall remain responsible for satisfying himself that the products as supplied by us are suitable for this intended process or purpose. Since we cannot control the application, use or processing of the products, we cannot accept responsibility therefore. The Buyer shall ensure that the intended use of the products will not infringe any third party's intellectual property rights. We warrant that our products are free from defects in accordance with and subject to our general conditions of supply.



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