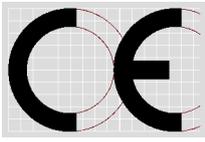


Product name:	<b>POLY-ELAST RAPID O</b> Polymer bitumen torch-on membrane
Product code:	11417
Product standard:	EN 13707
Roll dimensions:	5.00 x 1.00 m
Protective coating: upper side bottom side	Slate Shaped channels (fleece lamination with rapid torch-on points)
Reinforcement:	Polyester-Compound
Product description:	Polymer bitumen torch-on membrane with compound reinforcement as the bottom layer of roof insulation.
Product use:	<p>POLY-Elast Rapid O with rapid torch-on points on the bottom side is a polymer bitumen torch-on membrane with higher form stability under cyclic temperature change and improved flexibility at low temperatures.</p> <p>In the build up of the flat roof system this membrane is used as a high-quality waterproof layer for the redevelopment or regeneration of roofs or on functional roofs. The rapid torch-on points on the bottom side allow a direction independent vapour pressure equalisation plane.</p> <p>Due to an additional graphite component POLY-Elast Rapid O with compound reinforcement possesses fire retardant characteristics that can significantly improve the fire protection requirements.</p> <p>Please pay attention to the inclination and operational demands! The inclination has to be <math>\geq 2\%</math>.</p>

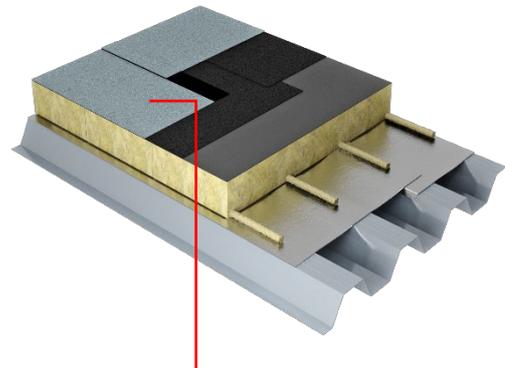
Properties	Test method	Unit	Declared performance
Visible defects	EN 1850-1	-	no visible defects
Length	EN 1848-1	m	$\geq 5.00$
Width	EN 1848-1	m	$\geq 1.00$
Straightness	EN 1848-1	mm/10 m	$\leq 20$
Mass per unit area	EN 1849-1	kg/m <sup>2</sup>	unverifiable result
Thickness	EN 1849-1	mm	5.00 ( $\pm 0.2$ )
Water tightness at 200 kPa	EN 1928 Method B	-	passed



Properties	Test method	Unit	Declared performance
Tensile properties: maximum tensile force	EN 12311-1	N	800 / 700 (± 10%)
Tensile properties: elongation	EN 12311-1	%	30 / 30 (± 5 abs)
Flexibility at low temperatures	EN 1109	°C	≤ - 25
Flow resistance at elevated temperatures	EN 12311-1	°C	≥ +110
Reaction to fire	EN 11925-2	-	Class E according to DIN EN 13501-1
External fire performance	CEN/TS 1187	-	See testing of system

### Features & benefits:

- Cost-effective overlay solution
- Incorporates graphite technology which actively prevents spread of flames on roof
- Diagonal shaped channels on underside providing roof moisture control and preventing blistering
- Excellent low temperature flexibility at -25°C



**POLY- ELAST RAPID O**

### Application overview:

POLY-ELAST RAPID O should be installed in accordance with manufacturer recommendations and all relevant national standards and codes of practice, including BS 8217: 2005 – the code of practice for reinforced bitumen membranes for roofing.

The membrane is torched-on with a joint overlap of at least 8 cm. In the area of the head joint the overlap has to be 10 cm and the joints have to be fully torched-on. Depending on the impurity of the surface it may have to be primed with a primer.

POLY-Elast Rapid O can not be used in joint areas, end areas and special detail areas. In order to fully torch-on the membranes polymer bitumen torch-on membranes with the same characteristics have to be used. Please note that the colour of the granules can vary during their useful life due to the effect of weather and other outside agents.

### Chemical resistance:

POLY-Elast Rapid O is water-resistant as well as resistant to watery solutions of salt, diluted non oxidising acids and bases. Aliphatic and aromatic hydrocarbons as well as chlorine hydrocarbons, oils and greases loosen POLY-Elast Rapid O.

### Storage:

Store upright in a cool, dry place and protect from direct sunlight.

### Health & safety:

Health and Safety should be observed at all times in accordance with HSE and industry guidance. Specific Risk Assessments and Method Statements should be produced by contractors where necessary to ensure Working at Heights, Fire Safety and Manual Handling rules are compliant with current law and regulations. Health and safety data sheets are available for all materials on request from GEORG BÖRNER Technical Service Department.

**Certification number:** 1724 - CPR – 041101