

# PU510

## Pure Polyurethane Waterproofing Liquid Membrane System

### Product Description

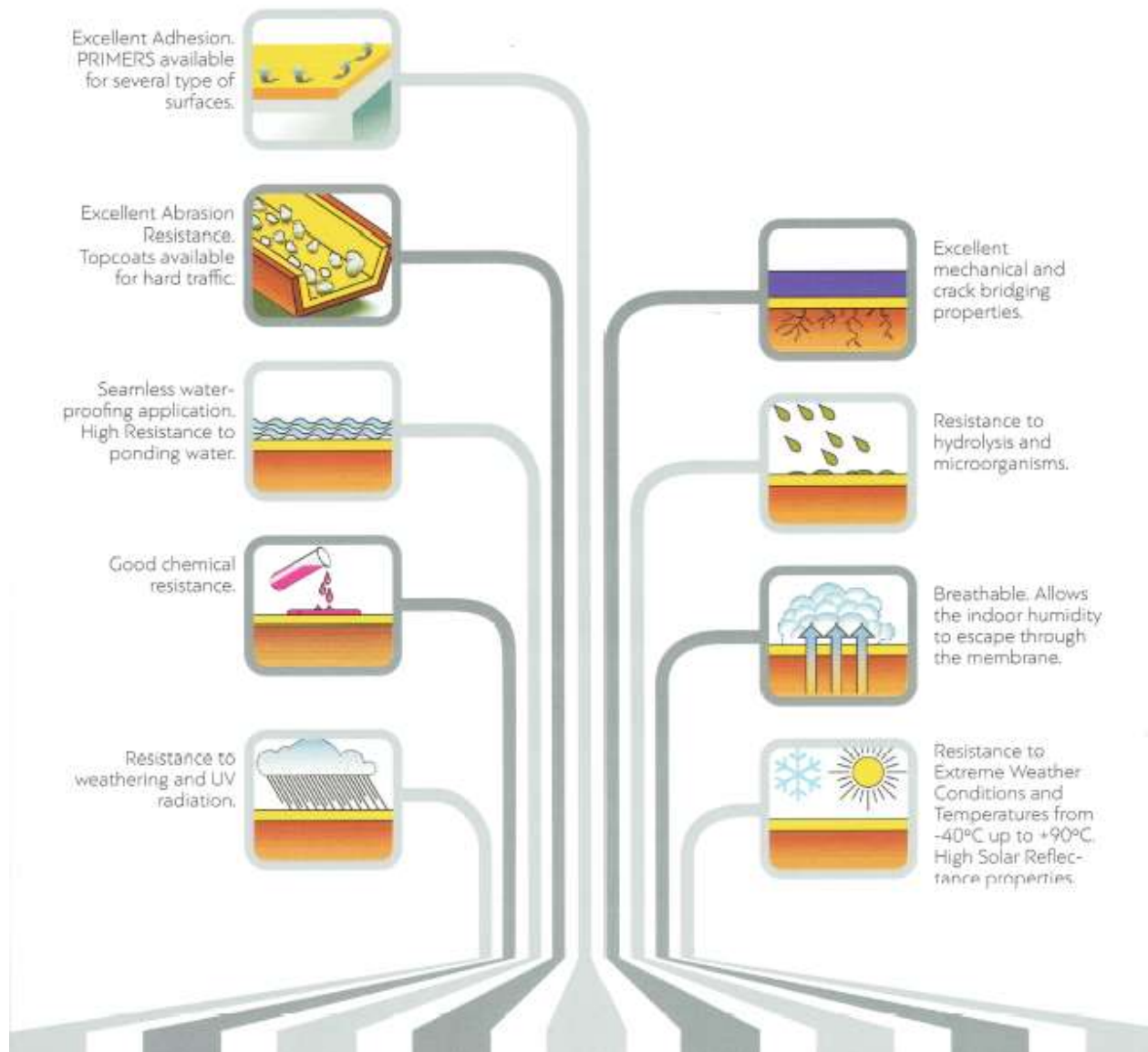
**PU510** is a one-component brushable, pure polyurethane, waterproofing liquid membrane, offering:

- ❖ It cures in reaction with the atmospheric humidity to form a high elastic and extremely hydrophobic membrane with excellent mechanical as well as chemical properties. Due to its excellent adhesion to several types of substrates and its resistance to the UV and weathering, it is an ideal solution for exposed waterproofing applications.
- ❖ A uniform, elastic, waterproof, vapor-permeable sealing layer, without forming seams or joints.
- ❖ Excellent bonding to various substrates like concrete, cement-mortars and most waterproofing layers.
- ❖ Applicability even on irregular substrates.
- ❖ An affordable and reliable solution for waterproofing.

### Fields of Application







**PU510** is suitable for waterproofing & protection:

- ❖ Flat roofs and balconies as an exposed waterproofing membrane.
- ❖ Underneath tiles or over tiles layers in kitchens, bathrooms, balconies, verandas and flat roofs, as long as quartz sand has been broadcasted on its last layer.
- ❖ Under thermal insulation boards on flat roofs.
- ❖ In construction works, such as highways, bridge decks, tunnels etc.
- ❖ Foundations.
- ❖ Gypsum and Cement Boards.
- ❖ Existing or old layers of bituminous membranes for refurbishment and protection
- ❖ Membranes EPDM, PVC, TPO
- ❖ Polyurethane Foam.
- ❖ Asbestos and Metal Surfaces.
- ❖ Car Parks
- ❖ Wooden Surfaces
- ❖ Irrigation Channels



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APPLICATION	1		Clean well the substrate using a high pressure washer if possible. Remove oil, grease and wax contaminants cement laitance, loose particles, mould and release agents should be also removed.
	2		Apply the appropriate primer depending on substrate type and weather conditions.  ** Alternative you may apply POLYCELL's primer - <b>FYLLATEX 8005</b> Latex based admixture on top of the cement/concrete as a primer.
	3		Open the packaging carefully after lifting the clip from the lid and stir the content manually, or with low speed mixer.
	3 a		Initially treat flashing points and other important details. Then apply <b>PU510</b> over the total surface using a roller, brush or airless spray machine. In two or more sequel layers
	3 b		For <b>trafficable exposed</b> area: after application of primer coat, lay one neat coat of <b>PU510</b> and follow by a layer of <b>E70-Fiber Mat</b> on top and finish with another wet coat. Another coat may be required if necessary.
	4		Completed application

**PRIOR APPLICATION:**

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Please consult Product' Technical Data Sheet (TDS) and Safety Data Sheet (SDS)

**COVERAGE:** Minimum Estimated Consumption: 1.5- 1.8kg/m<sup>2</sup>/coat



### Storage

Minimum 12 months from production date, if stored in original, unopened packaging, at temperatures between +5°C and + 35°C. Protect from direct sun exposure and frost. **ONCE OPEN MUST FINISH.**

### Remarks

In case of application by spraying, it may be diluted, depending on the weather conditions up to 10%.

### Packaging

**PU510** is supplied in metal containers of **25 kg/pail.**

EN 1504-2 Surface protection products Coating	
Permeability to CO <sub>2</sub> :	SD > 50m
Water vapor permeability:	SD <5 m Class I (permeable)
Capillary absorption & Permeability to Water:	W < 0.1 kg/m <sup>2</sup> ·h0.5
Adhesion :	≥ 0.8 N/mm <sup>2</sup>
Artificial weathering:	Pass
Reaction to fire:	Euroclass F
Dangerous substances:	Comply with 5.4
1062-11, for outside application	-blistering, cracking, flaking & colour change



### POLYCELL TECHNICAL DEPARTMENT

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The technical information and instructions supplied in this technical datasheet are given in good faith and based on the knowledge and experience of the Department of Research and Development of our company and on results from long-term applications of the product in practice. The recommendations and suggestions referring to the use of the product are provided without guarantee, since site conditions during the applications are beyond the control of our company.

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