

DESCRIPTION

ACE PUA-10 is a two component, hand-applied seamless liquid waterproofing that creates a highly resistant and flexible waterproof membrane that is fully-bonded to the substrate. Unlike other liquid membranes, ACE PUA-10 is extremely durable with excellent wear and chemical resistance and does not usually require additional protection against mechanical damage.

MAIN APPLICATIONS

New and remedial waterproofing for:

- Roofs
- Podium decks
- Terraces
- Walkways and foot bridges
- Balconies
- Green roofs
- Water features / Planters

ADVANTAGES

- Seamless – continuous waterproofing
- Fast cure – quick self-curing system that allows fast installation and return to service
- Fully bonded – prevents water from flowing between membrane and substrate
- Non-flammable – 100% solids, solvent free
- Zero VOC
- Elastomeric – resists movements and bridges cracks
- Durable – excellent wear and damage resistance
- Chemical Resistance and mechanical properties
- BBA Certificate
- European Technical Approval.

COMPATABILITY/ADHESION

Concrete and steel surfaces must be suitably prepared to accept primers and membranes to ensure adequate adhesion. Mechanical preparation recommended. For further details concerning surface preparation guidelines and primer choice, contact ARTLUX EUROPA.

INSTALLATION

ACE PUA-10 liquid waterproofing must be applied by certified contractors. Contact ARTLUX EUROPA, for further details. Apply to correctly prepared and primed surfaces in dry conditions. Surfaces should be clean, dry, and free of contaminants and loose particles as per ACE Diagram.

Ambient application temperature must be between +5°C and 40°C. Substrate temperature should exceed the dew point temperature by a minimum of 3°C.

LIQUID PROPERTIES

	Typical Value	Test Method
Solids Content	100 %	ASTM D1644
Specific gravity		
Resin	1.2 g/cm ³	
ISO	1.2 g/cm ³	
Coverage Rate (2 mm thickness)	2.4 kg/m ²	Internal
Pot Life	Up to 8 minutes *	Internal
Working Time	Up to 15 minutes *	Internal
Tack-Free Time	30 minutes *	Internal


(*) At 23°C

PHYSICAL PROPERTIES

	Typical Value	Test Method
Resistance to hydrostatic head over 3.2 mm post formed crack	>70m	ASTM D5385
Tensile Strength	10 MPa	ASTM D412
Elongation	450 %	ASTM D412
Tear Strength	> 40 kN/m	ASTM D624
Adhesion to concrete	Concrete failure *	ASTM D4541
Adhesion to steel	> 4.0 MPa	ASTM D4541
Shore Hardness	75A	ASTM D2240

(*) Tested on prepared, primed, and sand cast concrete.

EUROPEAN TECHNICAL APPROVAL

	Characteristic	Level of performance
	Minimum thickness	2.0 mm
	Water vapour resistance factor (μ)	2151
	Resistance to wind loads	>50 kPa.
	External fire performance	NPD ⁽¹⁾
	Reaction to fire	Euroclass E
	Categorisation by working life	W2
	Categorisation by climatic zones	S
	Categorisation by imposed loads	P3 at TH4 P4 at TH3
	Categorisation by roof slope	S1
	Categorisation by surface temperature	
	- lowest	TL3
	- highest	TH4
Slipperiness [Slope (°)/friction coefficient]	NPD	

HEALTH AND SAFETY

For ACE PUA-10, read the product label and Material Safety Data Sheet (MSDS) before use. Users must comply with all risk and safety phrases. MSDS's can be obtained from ARTLUX EUROPA.

ARTLUX EUROPA S.L.

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