TECHNICAL DATA SHEET (TDS)

POSEIDON® - WATERPROOF MEMBRANE COATING PAINT | 2025/26



1. Product

1.1. Product Description

Poseidon and Poseidon Brush is a polymer-based coating which,
after application, dries to a flexible membrane with high crack bridging properties, for the waterproofing of surfaces in showers, bathrooms, steam areas, wet rooms that need waterproofing prior to tiling.

Poseidon and Poseidon Brush is applied with an airless spray machine, roller, or a paintbrush.

No corner reinforcements are needed.

Poseidon or Poseidon Brush should not be applied on surfaces
containing bitumen or asphalt.

Poseidon or Poseidon Brush should not be applied on surfaces with
continuous water contact or water pressure.

Poseidon or Poseidon Brush should not be applied to moving cracks.

1.2. Product Adhesion

1.2.1. Poseidon or Poseidon Brush should not be applied on surfaces not
1.2.2. suitable for application of water born coatings.

1.2.3. Poseidon and Poseidon Brush is VOC free.

1.2.4. Poseidon and Poseidon Brush will adhere to the following substrates.

1.2.5.

* Concrete and concrete blocks
* Bricks
* Cement based plaster and water-resistant plasterboards
* Existing tiles on floors and walls.
* Other substrates suitable for wet rooms

1.3. Product Characteristics

1.3.1. * Blue liquid
1.3.2. * Density: 1.2 kg/litre
1.3.3. * Solids: 60% +/- 2%
1.3.4. * Total consumption: 0.8 kg/m2
1.3.5. * Drying time: + 5 degrees Celsius – 5 hours + 23 degree Celsius 2 hours
1.3.6. * Elongation at fracture: > 250 (DIN53504)
1.3.7. * VOC: < 5 ppm

1.3.8. * Resistance of Poseidon and Poseidon Brush: temperature fluctuations

* Solvents and oils – average

* Acids and alkaline – average

1.4. Product Packaging

1.4.1. Poseidon Brush 7.5kg – Pallets 72 tubs of 7.5kg – Total

1.4.2. 504g Poseidon 12kg – Pallets 44 tubs of 12kg – Total 528kg

1.5. Product Storage

Poseidon and Poseidon Brush should be stored in the dry, out of direct sunlight, between 5-20 degrees Celsius. Protect from Freezing. Storage for 24 months of manufacture date in original unopened packaging.

2. Application.

2.1. Preparation

2.1.1. * Ensure the surfaces to be sealed are dust free.

2.1.2. * Remove loose or flaking material, surface efflorescence and standing water and all other kinds of pollutions that may affect adhesion.

2.1.3. * When applying on cement based surfaces, these must be dry and solid.

2.1.4. * Use a cement based mortar to close all gaps, joints, or a fast set gypsum plaster for small repairs.

2.1.5. * Prepare the substrate as for a paint job.

2.1.6. * Ensure surfaces on which Poseidon or Poseidon Brush will be applied are hydrophobic or suitable for application of a waterborne coating.

2.1.7. * Applying on existing tile floors is possible, providing they are well adhering and roughened.

2.1.8. * Apply paintable flexible acrylic waterproof sealant on all floor to wall and wall to wall joints.

2.1.9. * Fill the joints between the substrate, and the draining and tubes, with a paintable and flexible acrylic waterproof sealant. When these joints are < 5mm, enlarge these before applying the sealant.

2.2. Application

2.2.1. *Mix before use for homogenisation.

2.2.2. *Product ready to use.

2.2.3. *Do not add water or solvents.

2.2.4. *Apply Poseidon or Poseidon Brush with an airless spray device (such as a Graco 595), roller or a paint brush.

2.2.5. *Total coverage in 2 layers is minimal 800 gr/m2, or 2 layers of approx. 400 gr/m2 depending on the roughness of the substrate. (more layers may be required with a roller or brush to achieve 800 gr/m2)

2.2.6. *Second layer to be applied crosswise on the first layer when first layer is dry.

2.2.7. *Finish second layer of Poseidon or Poseidon Brush after the first layer has dried out (24-48 hours after application).

2.2.8. *Apply tiling 3 days after application of Poseidon or Poseidon Brush to ensure product is dry. Suitable tiling glues: cement glue class C2 or dispersion glue class D2TE according EN12004.

2.2.9. *Avoid contact with water or other liquids during the drying phase.

2.2.10 *Ensure ventilation in cases of high humidity.

2.3. Cleaning

2.3.1. * Poseidon or Poseidon Brush can be easily cleaned using water.

2.3.2. * Poseidon or Poseidon Brush can be recycled once any Poseidon or Poseidon Brush product has been removed from the tubs and lids. This can be peeled of when dry or cleaned using water.

3.0. Test report's

TEST	SUBJECT	VALUE	STANDARD
	FORM	BLUE LIQUID	
	DENSITY	1,2 KG/LITRE	
	SOLIDS	60% +/- 2%	
	TOTAL CONSUMPTION (MINIMAL)	0,8 KG/M²	
	DRYING TIME	+23° C: 2 HOURS +5° C: 5 HOURS	
	ELONGATION AT FRACTURE	> 250	DIN 53504
	VOC	< 5 PPM	
	RESISTANCE OF SANIPROOF LIQUID	*TEMPERATURE FLUCTUATIONS AND AGEING: EXCELLENT *SOLVENTS AND OILS: AVERAGE *ACIDS AND ALKALINE: AVERAGE	
INFINITA LAB	SYSTEM TEST POSEIDON – LATICRETE LHT – LATICRETE 1600	PASSES CYCLES 1 – 10	ASTM C627-18
INFINITA LAB	VOC EMISSION TEST / SMALL CHAMBER METHOD	0,00 MG/M³ (96HR)	ASTM D5116
INFINITA LAB	7 DAY SHEAR	127 PSI (>50PSI)	ANSI A118.12
INFINITA LAB	7 DAY WATER IMMERSION	109 PSI (> 50PSI)	ANSI A118.12
INFINITA LAB	4 WEEK SHEAR STRENGTH	197 PSI (> 50PSI)	ANSI A118.12

	ADHESION ON TO: RED BRICK (POROTHERM) CONCRETE BLOCK SAND/CEMENT SCREED CONCRETE TILE CALCIUM SILICATE PLASTER CONCRETE CLAY BUILDING BLOCK GYPSUM (BLOCK)	1,6 N/MM² 1,4 N/MM² 1,3 N /MM² 1,6 N /MM² 1,0 N /MM² 1,5 N /MM² 1 N/MM2 1,6 N/MM2 1,5N/MM2	EN ISO4624
	INITIAL TENSILE ADHESION TENSILE ADHESION AFTER IMMERSION TENSILE ADHESION AFTER AGEING TENSILE ADHESION AFTER IMMERSION IN CHLORINATED WATER ADHESION CEMENTITIOUS TILEGLUE AFTER HEAT AGEINADHESION CEMENTITIOUS TILEGLUE AFTER IMMERSION ADHESION CEMENTITIOUS TILEGLUE	0,9 N/MM² 1,0 N/MM² 1,2 N/MM² 0,8 N/MM² 1,2 N/MM2 1N/MM2 0,9 N/MM2	ETAG 022 + EN 14891
	WATERTIGHTNESS WATER ABSORPTION	WATERPROOF < 6 GR	EN 14891PAR. A7
	CRACK BRIDGING	PASS	EN 1062-7 ETAG022
	JOINT BRIDGING ABILITY SHEAR LOADING	PASS	ETAG022 ANNEX B

INFINITA LAB	MOULD GROWTH	ANSI A118.12 SECTION 4.1	PASS
INFINITA LAB	SEAM STRENGTH	ANSI A118.10 SECTION 4.2	PASS
INFINITA LAB	WATERPROOFNESS	ANSI A118.10 SECTION 4.5	PASS
INFINITA LAB	WATER VAPOUR RESISTANCE	ASTM 96	3,21 PERM
	WATER IMPERMEABILITY	EN14891	PASS
	WATER PENETRATION	EN14891	PASS

TEST LAB	SUBJECT	RESULT	STANDARD
INFINITA LAB	**MOULD GROWTH**	PASS: DOES NOT SUPPORT MOULD GROWTH	**ANSI A118.10, SECTION 4.1**
INFINITA LAB	**SEAM STRENGTH**	**18 LBF**	**ANSI A118.10, SECTION 4.2**
INFINITA LAB	**WATERPROOFNESS**	PASS: NO MOISTURE	**ANSI A118.10, SECTION 4.5**
INFINITA LAB	**4 WEEK SHEAR STRENGTH**	PASS–high performance 4-Week shear strength: 229 PSI Shear strength @ 0.0625 in. deflection: 72 PSI Shear Strength @ 0.125 in. Deflection: 1 PSI 53	**ANSI A118.12, SECTION 5.15**
INFINITA LAB	**ACCELERATED AGING SHEAR STRENGTH**	PASS–high performance ACCERATED AGING shear strength: 401 PSI Shear strength @ 0.0625 in. deflection: 126 PSI Shear Strength @ 0.125 in. Deflection: 351 PSI	**ANSI A118.12, SECTION 5.16**
INFINITA LAB	**SYSTEM CRACK RESISTANT TEST**	PASS:HIGH PERFORMANCE TILE FAILURE DOES NOT OCCUR BY 1/8" SPECIMEN GAP OPENING	**ANSI A118.12, SECTION 5.4**
INFINITA LAB	**WATER VAPOUR TRANSMISSION METHOD E**	PASS: < 0,5 PERM RESULT: 0,25 PERM	**ASTM E96**

European certification- ETAG 022

SUBJECT	STANDARD	RESULT
ADHESION ON CLAY BUILDING BLOCK	EN ISO 4624	1,6 N/mm²
ADHESION ON SCREED	EN ISO 4624	1,3 N/mm²
ADHESION ON CONCRETE BLOCK	EN ISO 4624	1,4 N/mm²
ADHESION ON CALCIUM SILICATE STONE	EN ISO 4624	1 N/mm²
ADHESION ON CONCRETE	EN ISO 4624	1,6 N/mm²
ADHESION ON GYPSUM (BLOCK)	EN ISO 4624	1,5 N/mm²
ADHESION ON OSB WOOD	EN ISO 4624	ADHESION>SUBSTRATE STRENGHT
ADHESION ON PLYWOOD	EN ISO 4624	ADHESION>SUBSTRATE STRENGHT
ADHESION ON CHIPBOARD PANEL	EN ISO 4624	ADHESION>SUBSTRATE STRENGHT
ADHESION ON BLUCCAD PANEL	EN ISO 4624	ADHESION>SUBSTRATE STRENGHT

ASTM E96
ANSI A118.12, Section 5.1.5 28 day shear strength.
ANSI A118.10/A118.12 28 day and accelerated aging shears
ANSI A118.12, Section 5.1.6 ACC.
ANSI A118.12, Section 5.4 System Crack resistance
ASTM C627 Robinson Floor Test.
CA 01350 - Testing of Volatile Organic Emissions, Small Scale Environmental Chamber.
EPA Method 24 VOC Testing

Tested/certified by Infinitalab

SUBJECT	STANDARD	RESULT
ADHESION ON HARDIE PANEL WITH USE ON SUPERGRIP PRIMER		ADHESION>SUBSTRATE STRENGTH
ADHESION ON GYPSUM BOARD, WITH USE OF RENDER PRIME		ADHESION>SUBSTRATE STRENGTH
ADHESION CEMENTITIOUS TILE GLUE (C2TE S2 TILE GLUE)		0,9 N/mm²
ADHESION CEMENTITIOUS TILE GLUE AFTER IMMERSION (C2FTE S2 TILEGLUE)		1 N/mm²
ADHESION CEMENTITIOUS TILE GLUE (C2TE S1 TILE GLUE) AFTER HEAT AGING		1,2 N/mm²
ADHESION CEMENTITIOUS TILE GLUE (C2TE S1 TILE GLUE) AFTER IMMERSION CHLORINATED WATER		0,8 N/mm²
CRACK BRIDGING		PASS
JOINT BRIDGING ABILITY-SHEAR LOADING		PASS
WATER IMPERMEABILITY		PASS

SAFETY- **Consult the Safety Data Sheet prior to application. Work in ventilated areas. Always refer to the C.O.S.H.H sheet.**

ANAB
ANSI National Accreditation Board

IPA International Product Assurance LABORATORIES

TCNA
Tile Council of North America, Inc.

4.0. Do's and don'ts

DO'S

4.1. Do ensure the substrate is clean, solid, and dust free

4.2. Do fill holes in the substrate with repair mortar

4.3. Do apply flexible sealant on all corners and around the drains

4.4. Do mask any surface areas you do not want to get hit from potential overspray

4.5. Do use advised primer as specified in the product sheet

4.6. Do mix the product before use

4.7. Do apply in two coats (more layers may be required with a roller or brush to achieve 800 gr/m2)

4.8. Do check for complete and closed coverage

4.9. Do check wet film thickness with a wet film gauge

4.10. Do clean equipment shortly after use with water

4.11. Do avoid contact with water or any other liquids during drying

4.12. Do ensure ventilation for proper drying

4.13. Do protect POSEIDON against damages until tiling is applied

4.14. Do read the C.O.S.H.H sheet; Use appropriate PPE

4.15. Do clean up any spills in the area immediately to avoid a slippery surface

DON'TS

4.16. Do not apply on a wet substrate

4.17. Do not apply on substrate with loose or flaking material

4.18. Do not consume POSEIDON

4.19. Do not dilute POSEIDON with water or solvents

4.20. Do not use POSEIDON as filler on gaps > 5mm

4.21. Do not use POSEIDON if within 24 hours of application , temperatures of 5 degrees Celsius are expected

4.22. Do not apply POSEIDON on bitumen or asphalt containing substrates, on substrates with continuous water contact or water pressure, to cover moving cracks, nor on substrates not suitable for application of waterborne coatings

4.23. Do not leave POSEIDON unfinished; this product is intended to be tiled over

4.24. Do not keep POSEIDON product in temperatures < 5 degrees Celsius. Store according to product instructions

5.0. DATE OF THIS EDITION: 12/01/2025/26

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