



If it ain't Castle, it's not waterproof.
Premium Waterproofing



A 100% premium, all-in-one waterproofing solution for reliable protection across materials and areas in residential, commercial, and industrial applications.

FEATURES AND BENEFITS

- 100% PREMIUM WATERPROOFING
- EXCELLENT FLEXIBILITY
- STRONG CEMENTING POWER TO CONCRETE
- HIGH-SOLID CONTENT, SAVES TIME
- NON-TOXIC & NON-FLAMMABLE
- ALKALI RESISTANCE
- UV & HEAT RESISTANCE COATING UP TO -40°C ~ 120°C

SUITABLE FOR

- G.I. ROOFING & GUTTERS
- CONCRETE FIREWALLS, BASEMENTS & ROOF DECKS
- KITCHEN AND TOILET & BATH
- SWIMMING POOLS & PONDS
- OVERHEAD WATER TANKS (ALUMINIUM & STEEL)
- CONCRETE & METAL CISTERN TANKS
- SEWAGE LINES & PIPES
- WOOD & ALUMINIUM PANELS
- GLASS, FIBER GLASS, & PLASTICS

SHELF-LIFE

12 months. Store in cool and dry place

AREA OF COVERAGE

4KGS. / 1 GAL. = 3m² for 3 heavy coats
20KGS. / 1 PAIL = 15m² for 3 heavy coats
Standard = 3 Coats
(Film thickness of 1.2mm to 1.5mm)

STEPS OF APPLICATION

1. Ensure substrate is completely clean, free of dust, sand, oil, debris, etc. and dry prior to application.
2. For concrete application, apply PME-901 Primer before proceeding.
For other surfaces, use a paint brush and apply PME-202 Top Coat in desired areas.
3. Apply at lease 3 heavy coats for maximum water resistance. Let each coat dry before applying the succeeding coat.
4. Allow for full curing of at lease 72 hours before conducting water leak testing.

(Water-Based, clean all equipments with water after use.)

ANALYSIS REPORT

Testing Item	Method	Result
No. 1 Pull Strength (kgf/cm)	JIS K6301 (Japan Standard) • Section 3 Specimen Type: No.3 • Test Speed: 500mm/min	29.4
No. 2 Expansion Ratio (%)	JIS K6301 (Japan Standard) • Section 3 Specimen Type: No.3 • Test Speed: 500mm/min	46.0
No. 3 Tear Strength (kgf/cm)	JIS K6301 (Japan Standard) • Section 3 Specimen Type: No.3 • Test Speed: 500mm/min	18.5
No. 4 Water Drop Test (kgf/cm)	ASTM E96 (American Standard) • Method B	7.81 x 10-2

TECHNICAL DATA

Tested At:	-40°C 8hrs -20°C 16hrs 20°C 16hrs 120°C 8hrs After 10 rounds, still normal	Pressure Impermeability	(+) Positive Pressure (5kg/cm ²) 73.5 psi 24hrs. No Dank (-) Negative Pressure (3kg/cm ²) 44.1 psi 24hrs. No Dank	Heavy Metal Leaching Test	Standard: PND DW 2007 Method: ICP-OES Result: Within DOH Limits
Adhesion to Surface	(18.mg/cm ²) 264.6psi (JIS.K6848)	Permeability Test	(13.7 mg/cm ²) 24 hrs (JIS.K6848)	Volatile Organic Compound	ASTM D6886-12 0.04% m/m VOC
Pulling-Resistance Force	(29.mg/cm ²) 426.3psi (JIS.K6301)	Tensibility Ratio	Above 450% (JIS.K6301)	Solar Reflectance Index	ASTM E1980-11 Result:88
Intensity of Divulsion	(18.mg/cm ²) 264.6psi (JIS.K6301)	Main Content	Multi-Co Polymerized Resin with Nano Silica	Appearance	Cream-Colored Ropy Liquid

PME-901 PRIMER



A Concentrated Primer that is a high-performance sealer that plugs micropores on concrete surfaces serving as a cement and mortar intensifier to boost strength and longevity.

FEATURES AND BENEFITS

- PLUG MICROPORES OF CONCRETE SURFACE
- STRONG CEMENTING POWER
- HIGH-SOLID CONTENT, SAVES TIME
- NON-TOXIC & NON-FLAMMABLE

SUITABLE FOR

- ALL CONCRETE MATERIALS & SURFACES

AREA OF COVERAGE

4KGS. / 1 GAL. = 25-35m² (Coverage depends on substrate porosity.)
Standard = 1-2 Coats

FOR USE AS CEMENT & MORTAR INTENSIFIER:

Mix cement and sand at a 1 : 2 ratio, then use a solution of 4kg./1 gallon PME-901 Primer with 8kg./ 2 gallons water as the mixing liquid intensifier.

FOR USE AS CONCRETE PRIMER:

In 1 Gallon of PME-901 Primer, mix 1.5 Gallon of tap water to make 2.5 Gallon total volume.

to ensure strong adhesion and durability of PME-202 waterproofing, while also

FOR USE AS PRIMER · STEPS OF APPLICATION

- 1.Ensure substrate is smooth and sanded to prevent more product usage.
Then make sure to thoroughly clean and dry the surface of application, ensure that the surface is free from dust, sand, oil, debris, etc.
- 2.Use a paint brush and apply the primer evenly.
- 3.Allow to completely dry. (1hr.) under direct sunlight and (1-2hrs.) indoors.
- 4.Once a transparent film have appeared, proceed with the application of PME-202 Top Coat. If not, proceed with a second coating of PME-901 Primer.

(Water-Based, clean all equipments with water after use.)

Solid Content	PME-202 (73%)	M.F.T	0°C
Viscosity (C.P.S.)	25,000	Durability	Excellent
PH	5-6	Daubing Volume	1.2-2.0g/m (Depends on the purpose)
Proportion	1.2	Electric Charge	None

PME-995 CEMENTITIOUS WATERPROOFING



Castle Polymer Modified Cementitious Blend brings together the latest Japanese nanotechnology with advanced polymer-cement chemistry to deliver a flexible yet resilient waterproof coating. Engineered to ensure harsh weather conditions, it offers long lasting protection without compromise. Specially crafted for budget conscious homeowner and professionals, Castle ensures you get premium waterproofing performance at a much more affordable price. Strong. Reliable. Built for every project.

SUITABLE APPLICATION ON:

- CISTERN TANK
- SEPTIC TANK
- FIRE AND WASTE WATER TANK
- SWIMMING POOLS
- TERRACE, BALCONY AND LEDGES
- KITCHEN
- TOILET & BATHS, AND LIGHT COURT
- RETAINING WALLS & FIREWALLS
- CONCRETE ROOF DECK & G.I. ROOFING

AREA OF COVERAGE

4KGS. / 4L = 9 m² per coat
= 3 m² for 3 coats (Standard)

PRECAUTIONS

The compound begins setting once mixed — Kindly prepare only the amount needed.

PREPARATION:

- 1.The substrate must be dry, clean, sound, dust-free and without any traces of oil. All loose parts must be removed.

STEPS OF APPLICATION

- 1.Pour 3kg of cement and slowly mix into PME-995. Stir thoroughly for 5-8 minutes or until it reaches an even slurry consistency.
- 2.Using a heavy duty paint brush, apply a total of 3 coats evenly across the surface of the concrete slab. Make sure to let each coat dry to the touch (approximately 1hr.) before proceeding with the succeeding coats. Make sure to only compound the amount needed per coat to prevent setting of unused mixture.
- 3.Ensure to let the waterproofed area dry for at lease 72 hours before conducting a water leak test.