

DESCRIPTION

PRIMESHIELD 100® is a clear base acrylic monomer sealer with excellent hold and alkali resistance properties.

PRIMESHIELD 100® is formulated to be applied as an undercoat for all water base acrylic coating, being highly penetrative, and increase the adhesion and bonding for the post applied water base coating.

USES

PRIMESHIELD 100® is applicable for:

- ☐ Internal and external Dry Walls
- ☐ Cement Plaster
- ☐ Gypsum and cement boards
- ☐ Base coat for pre-applied acrylic base coatings

ADVANTAGES

- ☐ Highly Penetrative
- ☐ Internal and External application
- ☐ Over coating on Existing coated surfaces
- ☐ Prevents mildew and efflorescence
- ☐ Solvent free
- ☐ Alkali Resistance properties
- ☐ Allows breathability for concrete surfaces
- ☐ Low Oder
- ☐ Zero VOC

COMPLIANCE

LEED V4.1 for low emitting material VOC | LEED V4 – 2013 for Building product disclosure and optimization.

MATERIAL DATA

Type	Acrylic monomer
Colors	Whitish in Liquid From Clear when dry
Finishing	Satin to Matt Finish
Packing	5L & 18L cans (UAE) – 1 USG & 5 USG (Leb)
Application	Brush, Roll or Airless Spray Machine
Storage	24 months at 25°C in dry conditions.

TECHNICAL DATA

Property	Value	Test Method
Solid By Weight	30% + 2	ASTM D 1353
Specific Gravity	0.95 + 0.05	ASTM D 70
VOC Content	<5 gl	EPA 24
PH Value	9-9.5	ASTM D 624
Elongation	100% + 10%	ASTM D 412
Flash Point	Nil	
Application Temperature	Btw 10°C - 40°C	

APPLICATION DETAILS

Surface Preparation

Substrate should be sound, clean and free from dirt, dust, laitance and all loosely adhering particles. All cracks and pinholes should be filled with Acrylic Base putty.

APPLICATION

➤ High Porosity Surfaces

High porosity surfaces can be tested by spraying water over it. If the absorption was high and dried quickly, **PRIMESHIELD 100®** should be applied with dilution of 50% with potable water

➤ Low Porosity surfaces

If the Surface showed a long absorption of water and dryness, than **PRIMESHIELD 100®** should be diluted up to 100%. Prior to application

➤ PRE-COATED SURFACES – TOP COAT application

Surface preparation: all pre-coated surfaces being of water base Nature should be Cleaned using water jet. Once cleaned it should be left for 24 hours drying period, prior to commencing with **PRIMESHIELD 100®**

Coats: Depending on the absorption of the Pre-coated surface, **PRIMESHIELD 100®** should be applied in 1-2 coats with 4-6 hours recoating period

MIXING PROCEDURE:

- ☐ Mix **PRIMESHIELD 100®** using a slow speed mixer for 1 min to achieve a homogeneous flow

DILUTE

Dilute **PRIMESHIELD 100®** with 50-100% Potable Water depending on the porosity of the surface.

RECOMMENDED FILM THICKNESS & SPREADING RATE

- ☐ 10-20 microns per coat
- ☐ 7-9m² per 1liter depending on the porosity of the surface

DRYING & CURING

- ☐ Touch Dry: 30 min to 1 hour
- ☐ Hard Dry: 24 hours @ 25°C
- ☐ Recoating period: 4-6 hours @ 24°C

Note: Drying period will be affected with relative humidity variation and weather temperature.



SAFETY

Protection Measures

PRIMESHIELD 100® is waterborne and there is risk of cauterization in the event of contact with the eyes; will lead to dehydration and thereof irritation in case of contact with skin. So while mixing and applying the product, protect with safety goggles and protective gloves

- ☐ Splashes to skin must be washed off with water and Soap
- ☐ Splashes to the eyes must be rinsed with clean warm water. Seeking medical attention is highly recommended and mandatory

Remarks

Empty cans should be disposed as per the rules and regulations of the country where the material is used. And in **NO case** should empty cans be used for food stuffing.

WATER BASE PRIMER / SEALER

Important Notice:

The above data is based on our experience and extensive laboratory tests. It may be considered to be a general advice only and cannot be granted to meet the requirements for all the intended uses. It is the responsibility of the end user to ensure that the product is suitable for the purpose for which he wishes to use it. In view of many varying factors that are encountered during the application of the product it does not exclude the end users from not conducting their own test before actually using the product. We are thus only responsible for the quality of the product itself and not responsible for its performance, nor would we accept any liability whatsoever or howsoever arising from the use of this product. Any such matters should be specifically agreed to in writing by us. Bayshield reserves the right to modify the contents of the data sheet from time to time without notice as a system requirement in updating our products from time to time.