



# Laykold®

## Masters PU Primer

### Features and Benefits

#### 1. General Description

Laykold Masters PU Primer is a 2-component, solvent-free, low viscosity polyurethane primer. It cures using chemical cross-linking to produce a thin mil primer with excellent abrasion characteristics for long term wear protection. Laykold Masters PU Primer has good resistance to many chemical compounds. The superior adhesion properties of Laykold Masters PU Primer make it an ideal primer for many substrates

Basic Uses: Being a solvent-free product, Laykold Masters PU Primer can be used to prime both interior and exterior substrates without noxious odor.

#### 2. Safety Guidelines

Always wear the recommended personal protective equipment. Avoid contact with eyes, skin, and clothing. Adequate ventilation is required during the application process.

Do not expose container to open flame, excessive heat, or direct sunlight.

#### 3. Storage and Packaging

Laykold Masters PU Primer should be stored in a clean, cool, dry area in original unopened pail.

Packaging: 3 gallon unit (12.3 kg)

#### 4. Coverage

For a standard 4 mil application, the consumption rate of Laykold Masters PU Primer is 0.1451 kg/m<sup>2</sup> (0.03 gal/yd<sup>2</sup> or 300 ft<sup>2</sup>/gal).

#### 5. Installation Guidelines

##### Surface Preparation:

Surfaces receiving an application of Laykold Masters PU Primer must be clean, sound, dry, and free of oils and other bond inhibiting contaminants. Prior to applying Laykold Masters PU Primer to the concrete, use of mechanical methods such as shot blasting or sandblasting are recommended to produce a clean and lightly textured surface. Primed surfaces should be coated within 24 hours. Concrete shall be tested for moisture, per ASTM F1869 Calcium Chloride, to verify 3 lb per 1,000 ft<sup>2</sup> limit.

- ✓ Low VOC
- ✓ No flammability concern
- ✓ Solvent-free
- ✓ Quick cure time
- ✓ Primer on-grade
- ✓ Easy application
- ✓ Optimal penetration
- ✓ Outstanding bond strength



### Mixing:

Empty the entire contents of component “B” into component “A”. Mixing is accomplished by using a jiffy paddle and low speed drill (400 to 600 rpm) so as not to incorporate excessive air into the product. Mix components for 2 minutes in provided pail. Scrape down the sides of the pail and mix for an additional 1.5 minutes before proceeding with application.

### Application:

On Concrete – to apply as a primer, use a high quality roller, brush, squeegee, or airless spray unit and apply a uniform film of 4 wet mils. Allow to cure for 4 to 6 hours before proceeding with application.

On Asphalt – to apply as a primer, use a high quality roller, brush, squeegee, or airless spray unit and apply a uniform film of 7 wet mils. Allow to cure for 3 to 4 hours before proceeding with application.

## 6. Limitations

- Minimum application temperature is 4°C (40°F) and rising
- Do not apply over damp or wet substrates
- Do not apply to surfaces with active moisture vapor transmission
- Conduct an adhesion test prior to use on asphalt substrates

## 7. Technical Data

*Results based on temperature of 23°C (72°F) and 50 % Humidity*

VOC		7.1 g/L
Solid Content		100%
Renewable Content		44.74%
Viscosity	ASTM D2196	600-1,000 cPs
Pot Life	ASTM C603	40-60 minutes
Tack-Free Time		4-6 hours
Foot Traffic	ASTM C920	24 hours
Final Cure		7 days
Adhesion to Concrete	ASTM D7234	100% Substrate Failure
Moisture Vapor Transmission	ASTM E96	Avg. 0.214 grains/hour•ft <sup>2</sup>
Tear Resistance	ASTM D1040	Avg 212+ lb/in <sup>2</sup> depending on the system
Flash Point	ASTM D93	Non Flammable

\*Based on standard formula calculation

Above figures are guide values and should not be used as a base for specifications

Consult the Safety Data Sheet (SDS) for more details

For complete and latest warranty and product information, please visit [www.advpolytech.com](http://www.advpolytech.com)

