



Laykold[®]
MASTERS

PU Primer

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 tear 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 Use: 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 application.

3. Storage and Packaging

Laykold Masters PU Primer should be kept dry, cool, and in original packaging.

Packaging: 12.3 kg kit (approximately 3 gallon unit)

4. Coverage

Laykold Masters PU Primer coverage is approximately 0.145 kg/m² (0.03 gal/yd² or 300 ft²/gal) for a standard 4 mil application.

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 concrete, use of mechanical methods such as shot blasting or sandblasting are recommended to produce a clean and lightly textured surface (CSP3). Primed surfaces should be coated within 24 hours. Concrete shall be tested for moisture, per ASTM F 1869 Calcium Chloride, to verify 3 lb per 1,000 ft² limit.

Features and Benefits

- ✓ 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 components “B” into component “A”. Mixing is accomplished by using a jiffy paddle and low speed drill (400-600 rpm) so 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 4 to 6 hours before proceeding with application.

6. Limitations

- Minimum surface and application temperature: 4°C (40°F) and rising
- Do not apply over wet substrate
- 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 (73°F) and 50% Humidity

VOC		0 g/L*
Solid Content		100%
Renewable Content		44.74%
Viscosity	ASTM D 2196	600-1,000 cPs
Pot Life	ASTM C 603	40-60 minutes
Tack Free Time		4-6 hours
Foot Traffic	ASTM C 920	24 hours
Final Cure		7 days
Adhesion to Concrete	ASTM D 7234	100% Substrate Failure
Moisture Vapor Transmission	ASTM E 96	Avg. 0.214 grains/hour•ft ²
Tear Resistance	ASTM D 1040	Avg. 212+ lb/in ² depending on the system
Flash Point	ASTM D 93	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





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