



1. General Description

Laykold Poly Primer (Qualipur 152) is a 2-component, solvent-free, low viscosity, polyurethane primer with superior adhesion and sealing properties. It is resistant to most acids, alkalizes, and numerous other chemicals. Poly Primer is an excellent concrete primer for substrates with less than 75% relative humidity (RH). Poly Primer can also be used to block rust and stain migration from asphalt or concrete substrates through Laykold acrylic surfacing systems.

Basic Uses: Poly Primer (Qualipur 152) is used to prime properly prepared concrete substrates with RH levels less than 75%. It can also be used to block rust and stain migration from asphalt and concrete substrates.

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

Poly Primer (Qualipur 152) should be kept dry and cool in original containers. Storage temperatures should be between 18°C (64°F) and 30°C (86°F).

Packaging: 3 gallon unit

4. Coverage

For a standard application:

On Concrete: 0.02-0.05 gal/yd² (0.20-0.25 kg/m² or 175-230 ft²/gal)
On Asphalt: 0.02-0.05 gal/yd² (0.20-0.25 kg/m² or 175-230 ft²/gal)

5. Testing and Installation Guidelines

New concrete substrates shall be installed with a vapor barrier according to ASBA guidelines and finished to a CSP 3 profile. **No use of curing agents is allowed.** New concrete and asphalt substrates shall be allowed to cure a minimum of 30 days. Existing concrete shall be brought to a CSP 3 surface

Features and Benefits

- ✓ Non Flammable
- ✓ Solvent-free
- ✓ Quick cure time
- ✓ Strong adhesion to concrete and asphalt
- ✓ Easy Application
- ✓ Blocks MVT
- ✓ Optimal penetration
- ✓ Blocks rust and stain migration





Laykold®

Poly Primer (Qualipur 152)

profile by mechanical methods such as shot-blasting or hydro-blasting. All concrete substrates must be tested for relative humidity (RH) content before application of Poly Primer.

Probe testing in accordance with ASTM F2170 shall be performed on various areas to determine the concrete's relative humidity (RH) content (%). If the RH is less than 75%, Laykold Poly Primer may be applied. If the RH is 75% to 100%, allow the concrete additional cure time until RH drops below 75%. If approved, Anhydrous Calcium Chloride testing in accordance with F1869-98 may be substituted for probe testing. Testing must show a moisture vapor emission rate (MVER) of 3 lbs. or less per 1000 ft² in a 24 hour period before Poly Primer can be applied.

OPTION: Laykold Epoxy VTB Primer, a top-side vapor barrier can be applied to concrete with RH levels higher than 75% after a minimum of 5 days cure time. Refer to Laykold Epoxy VTB Primer technical data sheet (TDS) for additional information.

Poly Primer (Qualipur 152) is supplied ready to mix as a 2-component product. Pour entire contents of component B into component A and mix with a jiffy paddle and low speed drill (400-600 rpm). Do not incorporate excessive air into the product. Mix for two minutes, scrape down the sides of pail, and mix for an additional minute.

Apply Poly Primer (Qualipur 152) with a high quality medium nap roller, brush, squeegee, or airless spray unit. Apply a uniform film at a steady pace to avoid formation of air bubbles or pooling of product. If bubbles form, spike or back roll bubbles. While the primer is wet, seed to refusal with oven-dried quartz aggregate sand (20 to 40 mesh) at a rate of 5 lbs. per 100 ft² (0.25 kg/m²). Allow to cure for 3 to 4 hours before proceeding with additional coatings.

6. Limitations

- Work time of product will be decreased is temperatures exceed 130°F (54°C).
- Laykold Poly Primer is not compatible with water or alcohols.
- Do not apply when temperatures are below 50°F (10°C), or when rain is imminent.
- Do not apply over wet substrates.
- Testing before application is required. Do not apply to substrates containing relative humidity levels exceeding 75% or with active moisture vapor transmission.
- New asphalt and/or concrete must cure a minimum of 30 days prior to application of Laykold Poly Primer (Qualipur 152).



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7. Technical Data

Results based on temperature of 77°F and 50% Humidity

VOC		7.1 g/L*
Viscosity		600-1000 cps
Pot Life		40-60 minutes
Tack-Free Time		4-6 hours
Cure Time – Foot Traffic		24 hours
Cure Time – Final Cure		7 days
Adhesion to Concrete	ASTM D7234	100% Substrate Failure
Moisture Vapor Transmission	ASTM E96	Avg. 0.214 grains/hour•ft ²
Tear Resistance	ASTM D1004	Avg. 212 + lbs./in ² (depending on the system)

*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

