# Qualipur® 102

## 1. General Description

Qualipur 102 is a 2-component, solvent free, low viscosity epoxy resin primer. Using chemical cross-linking Qualipur 102 forms a rigid, highly abrasion-resistant binder for epoxy mortar applications.

Basic Uses: Being a solvent-free product, Qualipur 102 can be used to prime both interior and exterior substrates without a noxious odor. It can be used as a sealer for concrete, or combined with aggregate to form an epoxy mortar.

## 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.

## 3. Storage and Packaging

Qualipur 102 should be stored in a clean, cool, dry area in original unopened pail.

Packaging: 2.5 gallon unit (10.2 kg unit).

## 4. Coverage

For a standard 4 mil application the consumption rate of Qualipur 102 is 400 $ft^2$/gal (0.0025 gal/$ft^2$ or 0.1099 kg/$m^2$).

## 5. Installation Guidelines

**Surface Preparation:**

Surfaces receiving an application of Qualipur 102 must be clean, sound, dry, and free of oils and other bond inhibiting contaminants. When applying Qualipur 102 to a concrete substrate, 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 lbs per 1,000 $ft^2$ limit.

**Mixing:**

Empty the entire contents of component “B” into component “A”. Mixing is accomplished by using a jiffy paddle and low speed drill (400-600 rpm). Take care not to incorporate excessive air into the

### Features and Benefits

- ✓ Solvent-Free
- ✓ No flammability concern
- ✓ Versatile – can be used as a primer, sealer, or epoxy mortar
- ✓ Good penetration into pores and substrate

product. Mix components for 2 minutes in provided pail. Scrape down sides of pail and mix for an additional 1.5 minutes before proceeding with application.

**Application:**

Floor/Deck System – to apply Qualipur 102 as a primer, use high quality roller, brush, or airless spray unit and apply a uniform film at the minimum rate of 4 to 6 wet mils. Allow primer to cure for 16 hours (overnight), before applying additional components of the system.
In any areas where the primer absorbs into the concrete leaving a dry area, reapply Qualipur 102. Epoxy Mortar – Apply Qualipur 102, at the rate of 4 to 6 wet mils. Follow mixing procedures outlined above and when completed, blend in 4 to 5 parts (by volume) of oven-dry aggregate. While primer is tacky, apply mortar using trowels. Consolidate and level using a vibrating screen or drag box. Finish with finishing trowels. Allow to cure 16 – 24 hours prior to traffic or top coating. In areas of chemical contact or constant water immersion, coat with a Qualipur UV stable top coat.

## 6. Limitations

- Minimum application temperature is 40°F and rising.
- Do not apply over wet substrates.
- Do not apply to surfaces with active moisture vapor transmission.
- New concrete must cure 28 days prior to primer application.
- Do not use as exterior, on-grade as a sealer.

## 7. Technical Data

*Results based on temperature of 68°F and 50% Humidity*

| | | |
|---|---|---|
| VOC | | 85 g/L* |
| Viscosity | ASTM D2196 | 400-800 cPs |
| Pot Life | ASTM C603 | 40-50 Minutes |
| Tack-Free Time | | 5-7 Hours |
| Cure Time – Foot Traffic | ASTM C920 | 24 Hours |
| - Final Cure | | 7 Days |
| Adhesion to Cement | ASTM D7234 | 100% Substrate Failure |
| Moisture Vapor Transmission | ASTM E 96 | Avg, 0.233 grains/Hour Ft² |
| 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