



# Qualipur<sup>®</sup> 372

## Features and Benefits

- ✓ High abrasion and cut/tear resistant
- ✓ Able to cure in low temperature ranges
- ✓ Wide range of system options and textures
- ✓ Versatile range of potential substrates
- ✓ Variety of color options
- ✓ Low VOC

### 1. General Description

Qualipur 372 is a 2-component, low VOC, low/no odor, medium viscosity, polyurethane coating. It cures using chemical cross-linking to form a hard elastic, abrasion-resistant coating and binder for urethane mortars and broadcast systems. Qualipur 372 has good chemical resistance and outstanding adhesion properties.

**Basic Uses:** A highly abrasion-resistant coating and binder for flooring systems.

**Colors:** A gloss finish product available in 5 standard colors: Light Grey, Dark Grey, Charcoal, Tan, and Black. Special colors are available upon request.

### 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

Qualipur 372 should be stored in clean, cool, dry area in original unopened pail.

**Packaging:** 4.5 gallon unit (25.2 kg unit)

### 4. Coverage

For reference 1 mil of Qualipur 372 has a consumption rate of 1600 ft<sup>2</sup>/gal (0.00063 gal/ft<sup>2</sup> or 0.04060 kg/m<sup>2</sup>).

### 5. Installation Guidelines

#### **Surface Preparation:**

A surface receiving an application of Qualipur 372 must be clean, sound, dry, and free of oils and all bond inhibiting compounds and contaminants. Apply Qualipur 372 on primed concrete or on Qualipur surfaces that have received the recommended surface preparation (sandblasting or shot blasting are



recommended to produce a clean and lightly textured surface). When top coating a system, if the recommended recoat time is exceeded or if contamination of the substrate occurs, consult your sales representative.

## Mixing:

Pre-mix the color component. Then, empty the contents of component “B” into component “A”. Mixing is accomplished by using a jiffy paddle and low speed drill (400 to 600 rpm). Take care not to incorporate excessive air into the product. Mix components for 2 minutes in provided pail. Scrape down sides of pail and mix for additional 1.5 minutes before proceeding with application.

## Application:

Top Coat Over System – Use a high quality roller, brush, or squeegee to apply a uniform film at the recommended rate. Sand, 12-20 mesh (angular) or 16-30 mesh (angular), flint (angular), or aluminum oxide (angular) can be applied by backrolling after application of the coating.

Consult Application Guide for further information.

## 6. Limitations

- **If round sand is used, sand can and will clump causing foaming and premature wear.**
- Minimum application temperature is 40°F and rising.
- Do not apply over damp or wet substrates.
- Do not apply to surfaces with active moisture vapor transmission.

## 7. Technical Data

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

VOC		20.5 g/L*
Solids Content		100%
Renewable Content		23.56%
Viscosity	ASTM D2196	1600 – 2400 cPs
Pot Life	ASTM C603	35-55 Minutes
Cure Time – Tack Free		3 – 5 Hours
- Foot Traffic	ASTM C920	24 Hours
- Final Cure		4 Weeks
Elongation	ASTM D412	42.9%
Tensile Strength	ASTM D412	4200 PSI
Hardness	ASTM D2240	69 D scale
Abrasion Resistance	ASTM D4060	172.1 mg loss
Ozone Resistance	ASTM D1149	No visible cracking occurred
Skid Resistance Dry	ASTM C1028	1.1521
Skid Resistance Wet	ASTM C1028	0.8201
Thermal Emittance (Grey)	ASTM C1371	0.86
Solar Reflectance (Grey)	ASTM C1549	16.7%
Solar Reflective Index	ASTM E1980	13
Solvent and Fuel Resistance	ASTM D2792	No negative observation





Flash Point

ASTM D93

Non Flammable

\*based on standard formula calculation

## Chemical Resistance Chart

Chemical	Qualipur 372	Qualipur 461	Qualipur 512	Qualipur 522	Qualipur 552E	Qualipur 572
Acetic Acid 10%	-	-	+	+	-	+
Acetic Acid 50%	-	-	-	+	-	-
Acetone	+	+	+	+	+	-
Anti-Freeze	+	+	+	+	+	+
Bleach	-	+	+	+	+	+
Brake Fluid	-	-	-	-	-	-
Caustic Soda	+	+	-	+	+	+
Gasoline	+	+	+	+	+	-
Hydraulic Fluid	+	+	+	+	+	+
Hydrochloric Acid 10%	-	-	-	+	+	+
Hydrochloric Acid 31%	-	-	-	-	-	-
Jet Fuel	+	+	+	+	+	+
Methanol	+	+	+	+	-	-
Mineral Spirits	+	+	+	+	+	+
Motor Oil	-	+	-	+	+	+
Phosphoric Acid 50%	+	-	-	+	-	-
Phosphoric Acid 70%	-	-	-	-	-	-
Potassium Hydroxide 50%	-	-	-	-	+	+
Simple Green	+	+	+	+	+	+
Skydrol	-	-	-	+	-	-
Sodium Hydroxide 50%	+	+	+	+	+	+
Sulfuric Acid 25%	-	-	-	-	-	-
Sulfuric Acid 50%	-	-	-	-	-	-

(-) --> Visual Defects Observed

(+) --> No Visual Defects Observed

*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)*

