Qualipur® 552

1. General Description

Qualipur 552 is a 2-component, modified, epoxy coating. It cures using chemical cross-linking to form a hard elastic, abrasion-resistant coating and binder for modified epoxy mortars and broadcast systems. Qualipur 552 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.

Features and Benefits

- ✓ Modified Epoxy coating
- ✓ High abrasion and cut/tear resistance
- ✓ Wide range of system options and textures
- ✓ Excellent tensile strength
- ✓ Good chemical resistant properties

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

Packaging: 3.5 gallon (19.66 kg)

4. Coverage

For reference 1 mil of Qualipur 552 has a consumption rate of 1600 ft^2/gal (0.00063 gal/ft^2 or 0.0406 kg/m^2). Typical Wearcoat application is 15/30 mils and has a consumption rate of 107 sqft/gal (0.0095 gal/ft^2 or 0.609 kg/m^2)/53 sqft/gal (0.189 gal/ft^2 or 1.218 kg/m^2)

5. Installation Guidelines

Surface Preparation:

See Qualideck Application Guide

A surface receiving an application of Qualipur 552 must be clean, sound, dry, and free of oils and all bond inhibiting compounds and contaminants. Apply Qualipur 522 on primed concrete or on Qualipur

urethane 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:

Wearcoat 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

- 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		21 g/L*
Viscosity	ASTM D2196	1200 - 1600 cPs
Pot Life	ASTM C603	42 - 62 Minutes
Cure Time – Tack Free		4 – 6 Hours
- Foot Traffic	ASTM C920	24 Hours
- Final Cure		7 Days
Elongation	ASTM D412	25%
Tensile Strength	ASTM D412	2,400 PSI
Hardness	ASTM D2240	75 D scale
Abrasion Resistance	ASTM D4060	100 mg loss
Flash Point	ASTM D93	Non Flammable

*based on standard formula calculation

Qualipur® 552

Chemical Resistance Chart

Chemical	Qualipur 372	Qualipur 461	Qualipur 512	Qualipur 522	Qualipur 552	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