



Qualipur[®] 372 SPF

1. General Description

Qualipur 372 SPF is a 2-component, 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 SPF has good chemical resistance and outstanding adhesion properties. Qualipur 372 SPF is UV-resistant for extended periods of time.

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 SPF should be stored in cool, clean, dry area in original unopened pail. Qualipur 372 SPF has a shelf life of 1 year.

Packaging: 4.5 gallon unit (25.2 kg unit)

4. Coverage

For reference 1 mil of Qualipur 372 SPF has a consumption rate of 1600 ft²/gal (0.00063 gal/ft² or 0.04060 kg/m²). Typical Wearcoat/Topcoat application is 15/30 mils and has a consumption rate of 107 sqft/gal (0.0095 gal/ft² or 0.609 kg/m²)/53 sqft/gal (0.0189 gal/ft² or 1.218 kg/m²)

5. Installation Guidelines

Surface Preparation:

See Qualideck Application Guide

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
- ✓ 100% Solids
- ✓ UV – resistant



A surface receiving an application of Qualipur 372 SPF must be clean, sound, dry, and free of oils and all bond inhibiting compounds and contaminants. Apply Qualipur 372 SPF 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). If the recommended recoat time is exceeded or if contamination of the substrate occurs when top coating a system 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

- 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° and 50% Humidity

VOC		20.5 g/L*
Solid Content		100%
Renewables Content		23.52%
Viscosity		1600 – 2400 cPs
Pot Life		35-55 Minutes
Cure Time-Foot Traffic		24 Hours
Elongation	ASTM D 412	42.9%
Tensile Strength	ASTM D 412	4200 PSI
Hardness	ASTM D 2240	69 D scale
Abrasion Resistance	ASTM C 501	Avg. 0.27 Mass loss in grams
Ozone Resistance	ASTM D 1149	No visible cracking occurred
Skid Resistance Dry		Pass
Skid Resistance wet		Pass
Thermal Emittance (grey)	ASTM C 1371	0.86
Solar Reflectance (grey)	ASTM C 1549	16.7%
Solar Reflective Index	ASTM E 1980	13
Solvent and Fuel Resistance	ASTM D 2792	No negative observation

*based on standard formula calculation





Chemical Resistance Chart

Chemical	Qualipur 372	Qualipur 461	Qualipur 512	Qualipur 522	Qualipur 552E	Qualipur 582
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

