



Qualipur[®] 512

1. General Description

Qualipur 512 is a 2-component, low VOC, medium viscosity, UV stable polyurethane elastic coating.

Basic Uses: A UV stable top coat for use on primed concrete or Qualipur coatings.

Colors: A gloss finish product available in 5 standard colors. 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 512 should be kept dry and cool. Storage temperature should be between 4°C (40°F) and 32°C (90°F).

Packaging: 5 gallon unit (19.5 kg unit)

4. Coverage

For reference 1 mil of Qualipur 512 has a consumption rate of 0.00067 gal/ft² (0.02808 kg/m²).

5. Installation Guidelines

Surface Preparation:

Surfaces receiving an application of Qualipur 512 must be clean, sound, dry, free of oils and all other bond inhibiting compounds and contaminants. Apply Qualipur 512 on primed concrete or 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.

Features and Benefits

- ✓ Low VOC
- ✓ Chemical Resistant
- ✓ UV stable
- ✓ Good abrasion properties
- ✓ Variety of color options



Mixing:

Qualipur 512 is a 2-component polyurethane product; it requires mixing to ensure consistent curing and uniform color. Mixing is accomplished by pouring the contents of component “A” directly into component “B” and mix 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 an additional 1.5 minutes before proceeding with application.

Application:

Top Coat Over Systems – Use a high quality roller, brush, or squeegee to apply a uniform film at the recommended rate but not exceeding 20 mils per coat. Sand, 20-40 mesh, can be applied by backrolling after application of the coating. **Never sand to excess the Qualipur 512 top coat - sand saturation shall be in the Qualipur 372 coat.**

6. Limitations

Minimum application temperature is 40°F (4°C) 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		7.7 g/L*
Solid Content		>98%
Viscosity	ASTM D2196	2500 - 3500 cPs
Cure Time – Tack Free		4 - 8 Hours
- Foot Traffic	ASTM C920	24 Hours
- Final Cure		Humidity Depended (Ave. 7 days)
Elongation	ASTM D412	528.9%
Tensile Strength	ASTM D412	2980 PSI
Hardness	ASTM D2240	87 A scale
Abrasion Resistance	ASTM D4060	122.9 mg loss
Ozone Resistance	ASTM D1149	No visible cracking occurred
Skid Resistance Dry	ASTM C1028	1.1446
Skid Resistance Wet	ASTM C1028	0.8443
Thermal Emittance (Grey)	ASTM C1371	0.92
Solar Reflectance (Grey)	ASTM C1549	17.5%
Solar Reflective Index	ASTM E1980	17
Solvent and Fuel Resistance	ASTM D2792	No negative observation
Flash Point	ASTM D93	Non Flammable

*based on standard formula calculation

Consult the Material Safety Data Sheet / Safety Data Sheet for more details

For complete and latest warranty and product information, please visit www.advpolytech.com



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