



Qualipur[®] 582

Features and Benefits

- ✓ High abrasion and cut/tear resistant
- ✓ Excellent UV stability
- ✓ Versatile range of potential substrates
- ✓ Variety of color options
- ✓ Low VOC

1. General Description

Qualipur 582 is a 2-component, low VOC, low/no odor, medium viscosity, polyurethane coating. It cures using chemical cross-linking to form a hard elastic, UV resistant, abrasion-resistant coating. Qualipur 582 has good chemical resistance and outstanding adhesion properties.

Basic Uses: A highly abrasion-resistant coating.

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

Packaging: 5 gallon unit (28.00 kg unit)

4. Coverage

For reference 1 mil of Qualipur 582 has a consumption rate of 1600 ft²/gal (0.00063 gal/ft² or 0.04060 kg/m²).

5. Installation Guidelines

Surface Preparation:

Surfaces receiving an application of Qualipur 582 must be clean, sound, dry, free of oils and all other bond inhibiting compounds and contaminants. Apply Qualipur 582 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).



If the recommended recoat time is exceeded or if contamination of the substrate occurs, consult your sales representative, when top coating a system.

Mixing:

Qualipur 582 is a 2-component polyurethane product; it requires mixing to ensure consistent curing and uniform color. Mixing is accomplished by premixing component “A” for 2-3 minutes. After premixing component “A”, pour the contents of component “B” directly into component “A” 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 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.

Never sand to excess the Qualipur 582 top coat - sand saturation shall be in the Qualipur 372 coat.

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 4°C (40°F).
- 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		20.23 g/L*
Solids Content		98%
Renewable Content		22.58%
Viscosity	ASTM D2196	1600 – 2400 cPs
Pot Life	ASTM C603	30-50 Minutes
Cure Time – Tack Free		3 – 5 Hours
- Foot Traffic	ASTM C920	24 Hours
- Final Cure		4 Weeks
Elongation	ASTM D412	81%
Tensile Strength	ASTM D412	1500 PSI
Hardness	ASTM D2240	45 D scale
Abrasion Resistance	ASTM D4060	50 mg loss
Flash Point	ASTM D93	Non Flammable

*based on standard formula calculation





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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



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