



Qualipur[®] 631

Features and Benefits

- ✓ One Component
- ✓ Chemical/abrasion resistant
- ✓ Moisture insensitive during cure
- ✓ Low Order
- ✓ Aliphatic
- ✓ Excellent adhesion to various substrates
- ✓ Some conductivity to prevent static build up

1. General Description

Qualipur 631 is a 1-component, aliphatic polyurethane elastic coating. It cures using moisture in the atmosphere to produce a seamless membrane with excellent physical properties. Qualipur 631 has excellent chemical resistance, shows some conductivity to prevent static electricity build up, and good adhesion to various substrates. Qualipur 631 White also has high reflectivity in the visible and UV spectrum.

Basic Use: A UV-stable, abrasion and chemical resistant coating.

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 631 should be kept dry and cool. Storage temperature should be between 4°C (40°F) and 66°C (150°F). Product shelf life is 6 months in sealed container.

Packaging: 4.4 gallon unit (20 kg unit)

4. Coverage

For reference, 20 mils of Qualipur 631 has a consumption rate of approximately 70 ft²/gal.

5. Installation Guidelines

Surface Preparation:

Surfaces receiving an application of Qualipur 631 must be clean, sound, dry, free of oils, and all bond inhibiting compounds and contaminants. Dirt and other build up should be mechanically removed until the original surface is exposed. In addition to the mechanical means of cleaning, other methods may be required to sufficiently clean the substrate, such as power washing. If the recommended recoat time is exceeded or if contamination of the substrate occurs, please consult your sales representative.



Mixing:

Although Qualipur 631 is a 1-component polyurethane product, it still requires mixing to ensure consistent curing and uniform color. Mixing is accomplished by using a jiffy paddle and low speed drill (400 to 600 rpm) for 1 to 2 minutes so as not to incorporate excessive air into the product.

Application:

PRIOR TO APPLICATION, REMOVE ALL SOURCES OF IGNITION. Using a high quality roller, brush, or squeegee to apply a uniform film up to, but not exceeding 20 mils per coat. Product may also be spray applied.

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		138 g/L*
Viscosity		1500-2500 cPs
Cure Time – Foot Traffic		4 Hours
Tack Free Time		3 Hours
Elongation	ASTM D412	250%
Tensile Strength	ASTM D412	3000 PSI
Hardness	ASTM D2240	50 D Scale
Abrasion Resistance	ASTM C501	Avg. 60 mg loss

*based on standard formula calculation

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

