



Qualipur[®] 621

Features and Benefits

- ✓ Excellent Chemical resistance to Hydrochloric Acid
- ✓ Low VOC
- ✓ Waterproof and chemically resistant coating
- ✓ Excellent adhesion to metal
- ✓ Easy Application

1. General Description

Qualipur 621 is a 1-component, medium viscosity, high performance, chemically resistant coating specifically designed for applications where high concentrations of Hydrochloric Acid are present. Qualipur 621 can be broadcast with sand and back rolled to provide a non-skid surface.

Typical Applications

- Pipe, tank, or surface coating
- Applications to metal

2. Safety Guidelines

Every effort is made to insure that APT products are as simple and safe to use as possible. Normal industry standards and practices for housekeeping, cleanliness, and personal protection should be observed. For further information and guidance, please refer to the detailed SAFETY DATA SHEETS (SDS) supplied with the material and also available on request.

3. Storage and Packaging

Qualipur 621 should be kept dry and cool. Storage temperatures should be between 4°C (40°F) and 66°C (150°F).

Packaging: 5 gallon unit (17.37 kg)

4. Coverage

For reference, 1 mil of Qualipur 621 has a consumption rate of 0.0083 gals/ft² (0.3614 kg/m²).

5. Installation Guidelines

Surface Preparation:

Qualipur 621 should only be applied to clean, firm, dry, and well roughened surfaces.

- Remove all loose material and surface contamination
- Depending on the surface, solvent clean and/or remove contamination by abrasive blasting.
- Metallic surfaces should be abrasive blasted to achieve a 'white metal' finish and a 3 mil profile. Initiate the application of the Qualipur 621 immediately upon completion of surface preparation and before oxidation occurs.



Priming Concrete surfaces

Prior to applying Qualipur 621 to concrete, the surface should be primed with the appropriate APT binder to seal the surface, minimize outgassing and assure that optimum adhesion is obtained.

Mixing and Application

Qualipur 621 is supplied as a 1-component, ready to use product to simplify mixing of units. Mixing is accomplished by using a jiffy paddle and low speed drill (400 to 600 rpm) and blend for 1 to 2 minutes so as not to incorporate excessive air into the product. Apply the mixed Qualipur 621 to the prepared (and/or primed) surface using a squeegee, brush, or roller.

Topcoat Over Systems- use a high quality roller, brush, or squeegee to apply a uniform film at the recommended rate. Never sand to excess the Qualipur 621 topcoat - 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		48 g/L*
Viscosity	ASTM D2196	3000-4000 cPs
Cure Time – Tack Free		5-10 Hours
Foot Traffic		24 Hours
Final Cure		7 Days
Elongation	ASTM D412	130%
Tensile Strength	ASTM D412	2000 PSI
Hydrochloric Acid Resistance (0-32%)		No degradation (slight discoloration due to chlorination)

*based on standard formula calculation

Consult the Safety Data Sheet (SDS) for more Details

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

