

Qualipur 681



GENERAL DESCRIPTION

Qualipur 681 is a water based, aliphatic, one (1K) component, water-based polyurethane topcoat with a clear non-slip aggregate. It provides a semi-matte finish with excellent wear, abrasion resistance, and non-slip properties.

Basic Uses: Qualipur 681 is designed for use on covered and exposed outdoor balconies.

SAFETY GUIDELINES

Always wear the recommended personal protective equipment. Avoid contact with eyes, skin, and clothing. Adequate ventilation is required during the application process.

STORAGE AND PACKAGING

Qualipur 681 should be kept dry and cool in original packaging. If storing is prolonged, contents should be thoroughly mixed until color consistency is achieved. Do not expose containers to open flame, excessive heat, or direct sunlight. Shelf life of product stored in original sealed container is 1 year (12 months). Qualipur 681 must be protected from freezing.

Qualipur 681 is packaged in 21.5 kg kits (approximately 5 gallons). The kit consists of a 5-gallon pail of Qualipur 681 and a bag anti-slip medium.

COVERAGE

The standard consumption rate is approximately 130 sqft per gallon.

INSTALLATION GUIDELINES

The surface to be coated must be clean, dry and free of oil, grease, dirt, and any foreign residue.

Mix Qualipur 681 with included premeasured aggregate additive using a jiffy paddle and low speed drill (400 to 600 rpm). Take care not to incorporate excessive air into the product. Mix for 2 minutes in provided pail. Scrape down sides of pail and mix for additional 1.5 minutes before proceeding with application.

Shipments of Qualipur 681 to a project may involve multiple batches. As a best practice, it is recommended to "Box" the material.

- Prior to starting the project, inventory and verify quantity of material need for the size of the area.
- Document the batch numbers of all pails.

FEATURES AND BENEFITS

- ✓ Water based
- ✓ Excellent wear and abrasion resistance
- ✓ Many standard colors
- ✓ Low VOC
- ✓ Aliphatic
- ✓ Non-slip for outdoor use

- “Box” the needed amount of material to cover the designated area.
 - Boxing is a process where multiple batches of material is emptied into a larger container and mixed thoroughly, creating a uniform batch of material, and then poured back into pails for use.
- Apply to recommended coverage rates.

LIMITATIONS

- Do not freeze.
- Do not apply over damp or wet substrates.
- Substrate and application minimum temperature 10°C (50°F).
- Substrate and application maximum temperature 32°C (90°F).

TECHNICAL DATA

Results based on temperature of 23°C (73°F) and 50% Humidity

VOC		<2 g/L*
Density		1.15 to 1.25 g/cm ³
Solids (% by weight)		50
Viscosity	ASTM D2196	1500 - 2500 cPs
Abrasion		42.6 mg loss (CS17 wheel, 1,000 cycles)
Cure Time		
- Foot Traffic		3 Hours
- Final Cure		16 Hours
Elongation		100%
Tensile Strength		65 N/mm ²

**Based on standard formula calculation*

APT WORLD HEADQUARTERS

109 Conica Lane
Evans City, PA 16033 USA

Tel: (724) 452-1330
Fax: (724) 452-1703

Qualideck.com

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 advpolytech.com

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