



# Qualipur<sup>®</sup> 252

## Features and Benefits

- ✓ Low VOC
- ✓ Low/no odor
- ✓ Bridges dynamically moving cracks
- ✓ Quick cure time
- ✓ Excellent elongation and tensile strength properties
- ✓ Flexible in low temperature ranges

### 1. General Description

Qualipur 252 is a 2-component, low VOC, low/no odor, polyurethane membrane. It cures using chemical cross-linking to form a dynamically flexible waterproofing membrane for extreme crack-bridging applications. Qualipur 252 has good chemical resistance and outstanding adhesion properties making it the ideal membrane for waterproof coating systems. High chemical abrasion and thermal shock resistant systems can be obtained using the Qualipur 252 as a base coat/membrane.

Basic Uses: A crack-bridging base and waterproofing membrane.

### 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 252 should be stored in cool, clean, dry area in original unopened pail. Qualipur 252 has a shelf life of 1 year.

Packaging: 5 gallon unit (19.3 kg unit)

### 4. Coverage

For reference 1 mil of Qualipur 252 has a consumption rate of 1493 ft<sup>2</sup>/gal (0.00067 gal/ft<sup>2</sup> or 0.02781 kg/m<sup>2</sup>).

### 5. Installation Guidelines

#### Surface Preparation:

Surfaces receiving an application of Qualipur 252 must be clean, sound, dry, free of oils and all bond inhibiting compounds and contaminants. Apply Qualipur 252 on primed concrete surfaces that have received the recommended surface preparation (such as sandblasting and shot blasting are recommended to produce a clean and lightly textured surface).



## Mixing:

Pre-mix the color component. Then, empty the contents of component “A” into component “B”. Mixing is accomplished by 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:

Detail Coating – prior to applying the Qualipur base coat/waterproofing membrane apply a detail coat of Qualipur 252HV at 30 wet mils over all shrinkage cracks less than 1/16 in. Cracks wider than 1/16 in. should be treated as joints. Route out cracks to ¼ in. and fill with a urethane joint sealant. After the detail coat has cured for 3 to 4 hours, apply the Qualipur 252 base coat at the rate of 25 wet mils using a notched trowel or squeegee. Allow the base coat to cure 3 to 4 hours before overcoating. Once basecoat has cured, it can be topped with a variety of other Qualipur coatings and binders to form a waterproof parking deck and/or seamless flooring system.

## 6. Limitations

- Minimum application temperature is 40°F and rising.
- Do not apply over damp or wet substrates.
- Do not apply to surfaces with active moisture vapor transmission.
- Conduct an adhesion test prior to use on asphalt substrates.

## 7. Technical Data

*Results based on temperature of 68°F and 50% Humidity*

VOC		7.7 g/L*
Solid Content		100%
Viscosity	ASTM D2196	1700-2700 cPs
Pot Life	ASTM D603	20-30 Minutes
Hardness	ASTM D2240	Shore A 70-80
Cure Time – Before Overcoat	ASTM C920	3-4 Hours
- Final Cure		24 Hours
Abrasion	ASTM D4060	9 mg loss
Tear Resistance	ASTM D1004	160 pli
Elongation	ASTM D412	1102.3% **
Tensile Strength	ASTM D412	1890.2 PSI **
Adhesion to Concrete	ASTM D7234	100% Substrate Failure
Flash Point	ASTM D93	Non Flammable

*\*based on standard formula calculation*

*\*\*Maximum machine travel without breaking*

*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](http://www.advpolytech.com)

