



# Qualipur<sup>®</sup> 3405

## Features and Benefits

- ✓ One Component
- ✓ Solvent-free
- ✓ Enhanced UV Stability
- ✓ No VOC
- ✓ For use in cooler temperatures and/or arid conditions

## 1. General Description

Qualipur 3405 is an aromatic, one component, solvent free, straight MDI polyurethane prepolymer with enhanced UV stability.

Basic Uses: Qualipur 3405 is designed for binding EPDM rubber granules in the production of synthetic sport surfacing. This binder is ideal for use in cooler temperatures and/or arid conditions.

## 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.

## 3. Storage and Packaging

Qualipur 3405 should be kept dry and cool. Storage temperature should be between 5°C (40°F) and 66°C (150°F). Do not expose containers to open flame, excessive heat, or direct sunlight.

Product shelf life is 1 year in original sealed container.

Qualipur 3405 is packaged at 20 kg (approximately 4.89 gallon), 210 kg (approximately 51 gallon), and 1050 kg (approximately 256 gallon).

## 4. Coverage

Qualipur 3405 is ready to use as supplied and should be mixed with dry rubber granules as follows:

Qualipur 3405	20% by weight
Rubber granules	80% by weight

## 5. Installation Guidelines

Before application, the surface to be coated must be clean, dry, and free of oil, grease, dirt, and any foreign residue. The mixture can be applied with a trowel in order to obtain a uniform, level surface.

The cure time varies with temperature and humidity. High temperature and high humidity will decrease cure time, while low temperature and low humidity will increase cure time.



## 6. Limitations

- Do not apply over wet or damp substrates
- When applying in cool weather, temperature should not exceed 10°C (50°F)
- Decreased humidity will slow the curing process
- When applying in arid weather, do not use above 30% humidity in warm temperatures

## 7. Technical Data

Renewable Content		2.61%
VOC Content		0 g/L*
Density	23°C (73°F)	1.03 – 1.13 g/cm <sup>3</sup>
Viscosity	23°C (73°F)	2000 – 3000 cPs
Color		Opaque/gold to light brown
Cure Time	32°C (90°F) 20% Relative Humidity	15 – 20 hours
Cure Time	4°C (40°F) 60% Relative Humidity	20 – 25 hours

\*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 for more details

For complete and latest warranty and product information, please visit [www.advpolytech.com](http://www.advpolytech.com)

