



Qualipur[®] 3405

Features and Benefits

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	18 – 20%
Rubber granules	80 – 82%

By Total Weight of Mix based on Application

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.

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



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 ³
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

