



Qualipur[®] 3421W

Features and Benefits

- ✓ One Component
- ✓ Solvent-free
- ✓ Enhanced UV Stability
- ✓ No VOC
- ✓ Designed for use in low humidity and cool weather environments

1. General Description

Qualipur 3421W is a 1-component, solvent free, straight MDI polyurethane prepolymer. Qualipur 3421W is designed for use in low humidity, cool weather environments.

Basic Uses: Qualipur 3421W is designed for binding EPDM rubber granules in the production of synthetic sports surfacing in a low humidity, cold weather environment.

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 3421W 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 3421W is packaged at 20 kg (approximately 5 gallon).

4. Coverage

Qualipur 3421W is ready to use as supplied and should be mixed with dry rubber granules as follows:

Qualipur 3421W	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.



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
- Substrate and application minimum temperature: 10°C (50°F)
- Substrate and application maximum temperature: 25°C (77°F)
- Permissible relative humidity: 10 – 30%

7. Technical Data

Renewable Content		1.41%
Density	23°C (73°F)	1.00 – 1.10 g/cm ³
Viscosity	23°C (73°F)	2500 – 3500 cPs
Color		Opaque/gold to light brown
Cure Time	20°C (68°F) 30% Relative Humidity	20 – 22 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 (SDS) for more details

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

