



Qualipur[®] 3960

1. General Description

Qualipur 3960 is a 1-component, solvent free, straight MDI polyurethane prepolymer.

Basic Uses: Qualipur 3960 is designed for binding rubber granules in the production of synthetic surfacing. Qualipur 3960 has excellent adhesion to SBR rubber and is specially designed for E-layer shock pads under synthetic turf.

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 3960 should be kept dry and cool in original container. Do not expose containers to open flame, excessive heat, or direct sunlight.

Product shelf life is 1 year in original sealed container.

Qualipur 3960 is packaged at 204 kg (approximately 52 gallon), and 1020 kg (approximately 261 gallon).

4. Coverage

Qualipur 3960 is ready to use as supplied and should be mixed with dry rubber granules as follows:

Qualipur 3960	8-10% by weight
Rubber granules	90-92% 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.

For mixing, a forced mixer rotating at 300 rpm is recommended. Ensure that the mixer reaches the sides and the bottom of the vessel. The mixture should be applied with a specially designed paver. In order to achieve good surface strength; the rubber granule mat must be compacted thoroughly. If necessary, roll the surface. Particular attention should be paid to the construction

Features and Benefits

- ✓ One Component
- ✓ Solvent-free
- ✓ No VOC
- ✓ TDI Free
- ✓ Excellent adhesion to SBR



joints which, if possible, should be made before the material has significantly cured. The working life of Qualipur 3960 is influenced by the ambient material, substrate temperature, and humidity.

6. Limitations

- Do not apply over wet or damp substrates
- If gravel or pebbles are used, they must be clean and dry
- Substrate and application minimum temperature: 10°C (50°F)
- Substrate and application maximum temperature: 40°C (104°F)
- Permissible relative humidity: 40 – 90%
- The required primer has to be used for the substrate
- The temperature of the substrate must be at least 3°C (6°F) above the current dew point

7. Technical Data

Based on 23°C (73°F) and 50 Relative Humidity

Renewable Content	1.00%
VOC Content	0 g/L*
Density	0.98 – 1.08 g/cm ³
Viscosity	1600 – 2400 cPs
Color	Opaque/gold to light brown

*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

