



# Qualipur<sup>®</sup> 3939

## Features and Benefits

- ✓ One Component
- ✓ Solvent-free
- ✓ No VOC
- ✓ Excellent adhesion to SBR and EPDM rubber

## 1. General Description

Qualipur 3939 is an aromatic, one component, solvent free polyurethane prepolymer.

Basic Uses: Qualipur 3939 is designed for binding rubber granules in the production of synthetic surfacing. It shows an excellent adhesion to SBR and EPDM rubber. The rubber/binder mixture may or may not be covered with additional Qualipur coatings.

## 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 3939 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 3939 is packaged at 210 kg (approximately 52 gallon), and 1050 kg (approximately 261 gallon).

## 4. Coverage

Qualipur 3939 is ready to use as supplied and should be mixed with dry rubber granules as follows:

|                 |               |
|-----------------|---------------|
| Qualipur 3939   | 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.

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 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 joints which, if possible, should be made before the material has significantly cured. The working life of Qualipur 3939 is influenced by the ambient material, substrate temperature, and humidity.

## 6. Limitations

- Do not apply over wet or damp substrates
- 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

|                   |                             |                                     |
|-------------------|-----------------------------|-------------------------------------|
| Renewable Content |                             | 2.96%                               |
| VOC Content       |                             | 0 g/L*                              |
| Density           | 23°C (73°F)                 | 1.03 – 1.09 g/cm <sup>3</sup>       |
| Viscosity         | 23°C (73°F)                 | 1000 – 1800 cPs                     |
| Color             |                             | Opaque/gold to light brown or black |
| Cure Time         | 20°C (68°F)<br>50% Humidity | 15 – 16 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

**Not to be sold as consumer goods.**

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