



Advanced Polymer Technology

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Qualipur[®] 3920

1. General Description

Qualipur 3920 is a one component, solvent free polyurethane prepolymer. The rubber/binder mixture may or may not be covered with additional Qualipur coatings.

Basic Uses: Qualipur 3920 is designed for binding rubber granules in the production of synthetic sports surfacing in arid climates. It shows an excellent adhesion to SBR and EPDM rubber.

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 3920 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. Shelf life of product stored in sealed container is 12 months.

Qualipur 3920 is packaged at 20 kgs (approximately 4.98 gallons), 210 kgs (approximately 52 gallons), and 1050 kgs (approximately 261 gallons).

4. Coverage

Qualipur 3920 is ready for use as supplied and should be mixed (by weight) with dry granules as follows:

Qualipur 3920 - 20% by weight

Rubber Granules - 80% by weight

5. Installation Guidelines

The surface 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 on the vessel. The mixture should be applied with a special designed paver.

Features and Benefits

- ✓ One component
- ✓ Solvent free
- ✓ Designed for use in arid climates
- ✓ No VOC

In order to achieve good surface strength, the rubber granule mat must be compacted thoroughly. If necessary, roll the surface additionally. 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 3920 is influenced by the ambient material, and substrate temperature, as well as by humidity.

6. Limitations

- Do not apply over wet substrates
- Substrate and application minimum temperature 25°C (77°F)
- Substrate and application maximum temperature 40°C (104°F)
- Permissible relative humidity 0 - 20 %
- The required primer has to be used for the substrate

7. Technical Data

VOC		0 g/L*
Density	At 23°C (73°F)	1.03 to 1.09 g/cm ³
Viscosity	At 23°C (73°F)	1300 to 2100 cPs
Color		Opaque/ Gold to Light Brown or Black
Cure Time	at 30°C (87°F) 20 % Relative Humidity	22 to 23 hours

*based on Standard formula calculation

Above figures are guide values and should not be used as a base for specifications

Consult the Material Safety Data Sheet / Safety Data Sheet for more Details

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

