



Advanced Polymer Technology

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Qualipur® 6100

1. General Description

Qualipur 6100 is a non-regulated, aliphatic one component, spray coating based on a polyurethane resin.

Basic Uses: Qualipur 6100 is designed to encapsulate textured synthetic track surfaces. The Qualipur 6100 with its superior physical properties will help protect and hold EPDM rubber granules in place. Qualipur 6100 can also be used as a structural spray coating.

Running tracks are typical areas of application.

Standard Colors: Red, Black, Blue, Green, Special order colors

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 6100 should be kept dry and cool.

Storage temperature should be between 4°C (40°F) and 32°C (90°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 6100 is packaged at 215 kgs (approximately 52 gallons) and 1075 kgs (approximately 262 gallons).

4. Coverage

When using to encapsulate - Two applications are recommended with an estimated consumption rate between 0.45-0.66 lbs/yd² (0.2 – 0.3 kgs/m²) per application.

When using as a structural spray - Two applications are recommended with an estimated consumption rate between 3.19 - 3.60 lbs/yd² (1.7 - 2.0 kgs/m²) combined with rubber (varies with the type of system).

Features and Benefits

- ✓ One component
- ✓ Non-regulated
- ✓ Durable structural coating for porous and non-porous systems
- ✓ Many standard colors
- ✓ Easy application
- ✓ Low VOC

5. Installation Guidelines

The surface to be coated must be clean, dry, and free of oil, grease, dirt, and any foreign residue. The cure time varies with temperature and humidity. The application of the Qualipur 6100 should be applied in two separate coats, using spray equipment specifically designed for this purpose. After initial curing of the first coat, apply the second coat in an opposite direction, as to the first.

6. Limitations

- Do not apply over wet substrates
- Substrate and application minimum temperature 10°C (50°F)
- Substrate and application maximum temperature 40°C (104°F)
- Permissible relative humidity 40 - 90 %

7. Technical Data

VOC		47 g/L*
Density	At 25°C (77°F)	1.06 to 1.10 g/cm ³
Viscosity	At 25°C (77°F)	1600 to 2400 cPs
Cure Time	At 25°C (77°F)	4-5 Hours
Tensile strength		12 N/mm ²
Elongation		750 %

*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

