

# TECHNICAL DATA SHEET

## BEYCOAT™ 50W

### HIGH PERFORMANCE WATERBORNE ALIPHATIC POLYURETHANE COATING

#### PRODUCT FEATURES

- **Ultra Low VOC, 100% Water-Based:** providing substantial improvements in application environment and safety during use.
- **Elastomeric Aliphatic Polyurethane Formulation:** Provides flexibility and long term weatherability.
- **Superior Color Retention:** Maintains vibrancy over time, ideal for athletic sports surfacing systems.
- **Enhanced Surface Protection:** Offers exceptional slip resistance, abrasion resistance, and impact resistance.
- **Optimized Application:** Designed for airless spray or roller application for uniform coverage.

#### APPLICATION GUIDELINES

- For best results, BEYCOAT™ 50W should be **applied within 72 hours** to the newly installed Beynon polyurethane athletic surfacing system or other approved Beynon products.
- Ensure all spray equipment is clean and solvent free.
- Mix the **50W additive** into the BEYCOAT™ 50W color base using an electric mixer or an air mixer with a blade size suitable for the container being used.
- Mix only enough material to **use within 4-8 hours**.
- Apply two (2) uniform coats in opposite directions at a wet film thickness of **5.5-6.5 mils**, or application rate **250-300 ft<sup>2</sup>/gal (6.1-7.3 m<sup>2</sup>/L)**.
- After use, clean all equipment thoroughly with water. This material is extremely difficult to remove once thoroughly dried.
- Allow coating to dry for a minimum of **12 hours** or until dry enough for light traffic.
- Line with BEYCOAT™ 75 line paints within 24-48 hours after topcoat has dried.
- Restrict traffic on final coated surface for a minimum of 3 days.

#### STORAGE GUIDELINES

- **Keep material sealed** until ready for use to prevent contamination from atmospheric moisture.
- **Store in a dry, well-ventilated area** between 50-80°F (10-26°C).
- **Avoid exposure to freezing temperature** below 40°F (4.5°C).

#### PHYSICAL PROPERTIES

	Imperial	Metric
Color	Customizable to project needs	
Packaging	Drums or IBC totes Made to Order	
VOC's	< 0.25 lbs/gal	< 30 g/L
Viscosity	1200-1700 cps (77°F)	1200-1700 cps (25°C)
Application Rate (Sprayed)	~ 125-150 ft <sup>2</sup> /gal	~ 3.0-3.7 m <sup>2</sup> /L
Solids Content (Volume)	39-41%	
Tensile Strength	> 1950 psi	> 13.5 N/mm <sup>2</sup>
Elongation	> 275%	
Abration Resistance	< 20 mg (C501 wheel, 1 kg, 1000 cycles)	
Gloss Level	15-25 (85°)	
Mixed Pot Life	1 Week	
Dry to Touch	1-3 hrs (77°F)	1-3 hrs (25°C)
Ultimate Cure	24 hrs (77°F)	24 hrs (25°C)

#### HANDLING PRECAUTIONS

Consult Safety Data Sheets before handling or using these materials.

#### ISO 9001 & ISO 14001 CERTIFICATION

This product is manufactured in accordance with the **quality management system standards of ISO 9001**, demonstrating a commitment to consistent quality and customer satisfaction, while also adhering to the **environmental management system standards of ISO 14001**, signifying our dedication to minimizing our environmental impact throughout production process.

