

# TECHNICAL DATA SHEET

## BEYPUR™ 500

### 2-C SPIKE RESISTANT POLYURETHANE WEAR COAT

#### PRODUCT FEATURES

- **Two-Component:** 100% solids, ultra-high property polyurethane elastomer.
- **Long-Term Performance:** Retains physical properties overtime, ensuring lasting resilience.
- **High-Strength Wear Layer:** Specifically formulated for athletic surfacing systems to provide added protection against spike use.
- **Regulation-Compliant:** TDI-free, mercury-free, and heavy metal-free, eliminating the regulatory problems, reducing environmental and site hazards.
- **Excellent Adhesion:** Bonds effectively to a variety of substrates and other Beynon polyurethane materials.

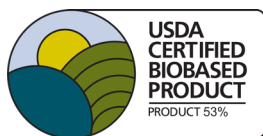
#### APPLICATION GUIDELINES

- **Consult** with Beynon Technical Representative for detailed application instructions.
- **Surface Preparation:** Ensure the surface is clean, dry, free from oil, grease, dirt, foreign residue, or other contaminants.
- **Mixing:** Pre-mix Part A color component then mix thoroughly two components using non vortexing mixer. Avoid excessive addition of air and atmospheric moisture. Transfer mixed components to a second container and remix briefly.
- **Application:** Use appropriate gauge rake or notched trowel. Do not apply over wet or damp surfaces.
- **Temperature:** Acceptable temperature range for application is 50-100°F (10-38°C).

#### HANDLING PRECAUTIONS

- Refer to the Safety Data Sheet (SDS) before handling or using the product.
- Always wear recommended personal protective equipment (PPE).
- Avoid contact with eyes, skin, and clothing.
- BEYPUR™ 500B contains polymeric isocyanate, do not breathe vapors.
- Ensure adequate ventilation during application.

#### USDA CERTIFICATION



BEYPUR™ 500 proudly carries the USDA Certified Biobased Product label, validating its use of renewable materials and contribution to reducing environmental impact.

With **53% biobased content**, this product is part of Beynon's commitment to sustainable and environmentally responsible manufacturing practices.

#### PHYSICAL PROPERTIES

	Imperial	Metric
VOC Content	0 lbs/gal	0 g/L
Color	Customizable to project needs	
Biobased Polymer Content	53% (by weight)	
PU Polymer Content	75% (by weight)	
Density	9.7 lbs/gal (mixed)	1.16 g/cm <sup>3</sup> (mixed)
Mix Ratio (By Volume)	3A : 1B	
Mix Ratio (By Weight)	2.8A : 1B	
Packaging	50 lbs kits	22.7 kg kits
Mixed Application Pot Life	30-40 min	
Cure Time	18-24 hours to reach 65-75 Shore A	
Durometer (Shore A)	80 ± 5	
Tensile Strength (ASTM D412)	3,200 psi	22 N/mm <sup>2</sup>
Elongation (ASTM D412)	340%	
Tear Strength (ASTM D624)	360 pli	63.5 N/mm
Coverage Rate (per 1 mm)	0.24 lbs/ft <sup>2</sup>	1.17 kg/m <sup>2</sup>

#### STORAGE GUIDELINES

- **Store in a cool, dry surroundings.**
- **Avoid prolonged storage.** Store within temperature: 40-90°F (4-32°C) for BEYPUR™ 500A. 50-90°F (10-32°C) for BEYPUR™ Universal B.
- **Shelf life:** ~12 months in its original sealed container.

#### 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.



ISO 9001  
CERTIFIED



ISO 14001  
CERTIFIED