

TECHNICAL DATA SHEET

BEYPUR™ 440

2-C ELASTOMERIC POLYURETHANE FLOORING COMPOUND

PRODUCT FEATURES

- **Two-Component:** High property polyurethane elastomeric flooring compound designed for durability.
- **Excellent Adhesion:** Bonds effectively to a variety of substrates and other Beynon polyurethane materials.
- **Advanced Polymer Technology:** Incorporates the latest manufacturing and polymer technology to overcome issues commonly found in other TDI mercury-free elastomeric flooring systems.
- **Regulation-Compliant:** TDI-free, mercury-free, and heavy metal-free, eliminating the regulatory problems, reducing environmental and construction site hazards.

APPLICATION GUIDELINES

- **Consult** with Beynon Technical Representative for detailed application instructions.
- **Surface Preparation:**
 - Prepare substrate to Beynon System Standards.
 - Refer to Beynon System Data Sheets for specific priming, substrate, and substrate preparation information.
- **Mixing Instructions:**
 - Thoroughly mix BEYPUR™ 440A base component to disperse any settled material.
 - Add BEYPUR™ 440B into the part A base and mix using an electric or air-powered mixer with a blade size suitable for the container.
 - Mix for approximately 25–30 seconds.
 - Avoid excessive addition of air and atmospheric moisture during mixing.
 - Transfer the A+B mixture into a clean container, scraping the sides and bottom, and mix briefly for an additional 15–20 seconds.
- **Application:**
 - Pour completed mixture onto the prepared substrate.
 - Spread using notched squeegee or rake to desired thickness.
 - Application rate is 0.48 lbs/ft² for 2 mm thickness.
- **Curing & Additional Conditions:**
 - Allow the surface to cure for 12–18 hours before recoating or applying topcoats.
 - Use Beynon-approved coating and marking systems.

STORAGE GUIDELINES

- **Store in a cool, dry surroundings.**
- **Avoid prolonged storage.** Store within temperature: 40–90°F (4–32°C) for BEYPUR™ 440A. 50–90°F (10–32°C) for BEYPUR™ 440B.
- **Shelf life:** ~12 months in its original factory sealed container.

PHYSICAL PROPERTIES

	Imperial	Metric
Color	Gray (Standard)	
Density	9.8 lbs/gal	1.18 g/cm ³
Packaging	39 lbs-kits	17.7 kg-kits
Mixed Application Pot Life	40–55 minutes (100°F)	40–55 minutes (37°C)
Cure Time	12–18 hrs to reach 70–75 Shore A	
Durometer (Shore A)	75 – 80	
Tensile Strength	1548 psi	10.7 N/mm ²
Elongation	100 – 150%	
Tear Strength	122 pli	21.4 N/mm
Coverage Rate	0.24 lbs/ft ² (per 1 mm)	1.17 kg/m ² (per 1 mm)

HANDLING PRECAUTIONS

- Refer to the Safety Data Sheet (SDS) before handling or using the product.
- Always wear recommended Personal Protective Equipment (PPE).
- BEYPUR™ 440B contains polymeric isocyanate, do not breathe vapors.
- Ensure adequate ventilation during application.
- Avoid contact with eyes, skin, and clothing.
- In cases of contact with skin, wash immediately with soap and water.
- In cases of contact with eyes, flush eyes with water for fifteen minutes and obtain prompt medical treatment.

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