



BR-3S

SPRAYABLE POLYURETHANE

BR-3S solvent based two component polyurethane spray coating has a hardness of 80A and is extremely adaptable utilizing additives to find unique solutions while using inexpensive simple to use equipment. Easily applied using standard airless or conventional spray equipment as well by brush or roller. Designed for use in dynamic wet and dry small particle abrasion environments, this product excels in applications that include raw material processing, mineral extraction/floatation, pipes, and mixing/agitation.



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The direction for the use of our products is based upon tests believed to be reliable but no warranty is given. Since conditions for the use of this product are beyond the Seller's control, all risks are assumed by the user. Please Contact your local Agent or Call Normac Inc. (905) 332 6455 for further assistance.

KEY BENEFITS:

- **Seamless monolithic** • **Corrosion resistance**
- **Additives – colour, UV stabilizer, anti-static**
- **Thin film applications** • **Extended recoat window**

TECHNICAL DATA:

Prepolymer: Aliphatic Polyether

Solids: 60.01%

Flash Point: -9°C

Hardness Shore A: 80 +/-5

Colour: Standard, custom colours available

Shelf Life: 2 years unopened

Storage: 23°C/73°F, dry, away from sunlight

Tensile Strength: ASTM D412 ~ 23.27 MPa (3375 psi)

Elongation: ASTM D412 ~ 420%

Tear Strength: ASTM D624 Die C ~ 62.02 kN/m (425 lb-in)

Taber Abrasion 1kg, 1000cy, H18: ASTM D4060-19 ~ 36 mg loss

Impact Resistance: ASTM D2794 ~ >28.02 kN/m (160 pli)

Operating Temperatures: -56°C (-70°F) to 93°C (200°F)

Immersion Operating Temp: Max 60°C (140°F)

Vapor Transmission: ASTM E96-80 ~ < 0.10

Theoretical Coverage: 20.49 sqm @ 25 micron/kg (100.02 sqft @.001"/lb)

Transportation: DGR

APPLICATION DATA (23C / 73F)

Mix Ratio: 100A: 15B by weight

Temperature: 7°C to 40°C (45°F to 104°F)

Dilution: Dichloromethane, Methyl Ethyl Ketone

Working Time: >1 hour

Tack free: 1 hour

Recoat Time: 15 minutes, maximum 72 hours

Light duty service: 24 hours

Ultimate cure: 5 days

Clean up: Non-oil-based solvent

SURFACE PREPARATION:

Grit-blast using standard SSPC-SPI0 near white including minimum 50 micron (0.002") angular depth profile for maximum adhesion or mechanically roughen using standard SSPC-SPII to achieve desired adhesion strength. Primers must always be used.

Primers: NP-9500: Metal or Polyurethane

NP-9600: Metal immersion service with NP-9500

NP-100: Concrete

AVAILABLE KIT SIZES:

1 kg, 5 kg, 23 kg, 275 kg

SAFETY:

Flammable liquid. See the NORMAC BR-3S product SDS. Strict adherence to regional safety regulations must be practiced.