



## NR-80LVHS SPRAYABLE POLYURETHANE

**NR-80LVHS** 100% solids 2:1 Polyurethane spray coating has tremendous resiliency based on its PTMEG low free Polyether chemistry. Designed for use in the most dynamic wet and dry small particle abrasion environments and easily processed using customized plural component spray equipment. Combined with our immersion priming system, this is our most versatile highest performing corrosion resistant coating. Solutions include raw material processing, mineral extraction/floatation, and mixing/agitation.



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*The technical data expressed and the direction of use for 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 sellers control, all risks are assumed by the user. Please contact your local agent or call Normac Adhesive Products Inc. for further assistance.*

### KEY BENEFITS:

- **Seamless flowability** • **Corrosion resistance**
- **Application speed** • **Easily refurbished**
- **Flexible thickness**

### TECHNICAL DATA:

**Prepolymer:** PTMEG Polyether Low free TDI

**Solids:** 100%

**VOC's:** Zero

**Hardness Shore A:** 82 +/-5

**Colour:** Standard, custom colours available

**Shelf Life:** 2 years unopened

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

**Tensile Strength:** ASTM D412 ~ 19.54 MPa (2834 psi)

**Elongation:** ASTM D412 ~ 380%

**Tear Strength:** ASTM D470 Die C ~ 384 lb.in

**Taber Abrasion 1kg, 1000cy, H-18:** ASTM D4060-19 ~ 27 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:** 34 sqm @ 25 micron/kg (166sqft/lb @ .001")

**Transportation:** DGR

### APPLICATION DATA (23°C / 73°F)

**Processing:** 2:1 Heated Plural / Cartridge

**Mix Ratio by volume:** 2A: 1B

**Mix Ratio by weight:** 100A: 47B

**Processing Temp:** Pt A 80°C (176°F), Pt B 23°C (73°F)

**Working Time:** < 1 minute

**Tack Free:** < 10 minutes

**Recoat Time:** Continuous, maximum 2 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-SPI1 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:

600 x 300 dual cartridge ~ 1 kg

Pail kit (3) 52.75 kg / 116.29 lb

Drum kit (3) 598.37 kg / 1319.17 lb

### SAFETY:

See the NORMAC NR-80LVHS-G product SDS. Strict adherence to regional safety regulations must be practiced.