



## NR-80LVHS SPRAYABLE POLYURETHANE

**NORMAC NR-80LVHS** 100% solids 2:1 Polyurethane spray coating cures to 82A shore hardness. Designed using PTMEG Polyether with low-free technology which virtually eliminates isocyanate exposure. For use in the most dynamic dry, wet and immersive small particle abrasion environments. Easily processed using dual cartridge or heated plural equipment. Combined with priming systems, this is our most versatile corrosion and abrasion 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**

### PROPERTIES

**Prepolymer:** PTMEG-Low Polyether

**Solids:** 100%

**VOC's:** Zero

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

**Colour:** All standard

**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 D624 Die C ~ 67.25kN/m (384lbf-in)

**Taber Abrasion 1kg, 1000cy, H-18:** ASTM D4060-19 ~ 40 mg loss

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

**Dry/wet operating temperature:** -56°C (-70°F) to 93°C (200°F)

**Immersion Operating Temperature:** Max 60°C (140°F)

**Vapor Transmission:** ASTM E96-80 ~ < 0.10

**Chemical Resistance:** usually pH 3 - 11

**Coverage:** 34sqm @ 25micron/kg (166sqft @ .001"/lb)

### APPLICATION DATA (23°C / 73°F)

**Method:** Heated Plural / Cartridge

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

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

**Machine process temperature:** Pt A 80°C (176°F), Pt B 23°C (73°F)

**Cartridge process temperature:** Pt A 50°C (122°F), Pt B 50°C (122°F)

**Pot Life:** < 1 minute

**Tack Free:** 10 minutes

**Overcoat:** Continuous, maximum 2 hours

**Ultimate cure:** 7 days

### SURFACE PREPARATION (guide available)

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, Polyurethane, Fiberglass

NP-9600: Immersion and or Aluminum, Stainless alloys

NP-8400: Rubber, Polyurethane

NP-100/200: Concrete

### KIT PACKAGING

NR80C.....Dual cartridge 600 x 300 ~ 1kg/ 2.2lb

NR80-15..... 52.75kg/ 15 gallon/ 116.29lb

NR80-55.....598.37kg/ 165 gallon/ 1319.17lb

### SAFETY

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