



## NR-45LVHS SPRAYABLE POLYURETHANE

**NR-45LVHS** 100% solids 2:1 Polyurethane spray coating has excellent abrasion resistance where very soft high elongation coatings are required. It is very pliable and similar to soft rubber. This specialty formulation also excels where noise abatement and friction control are paramount. In addition, its flexible characteristics make it ideal for scratch and mark protection.



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*The directions for the use of our products are 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 monolithic** • **Corrosion resistance**
- **Application speed** • **Easily refurbished**
- **High elongation**

### TECHNICAL DATA:

**Prepolymer:** PTMEG Polyether Low free TDI

**Solids:** 100%

**VOC's:** Zero

**Hardness Shore A:** 45 +/-5

**Colour:** Standard, custom colours available

**Shelf Life:** 2 years unopened

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

**Tensile Strength:** ASTM D412 ~ 4.83 MPa (700 psi)

**Elongation:** ASTM D412 ~ 760%

**Tear Strength:** ASTM D624 Die C ~ 37.65 kN/m (215 lb-in)

**Taber Abrasion:** ASTM D4060-19 ~ 33mg 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 (166 sqft/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:** <2 minutes

**Tack Free:** <20 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) 600 kg / 1321.5 lb

### SAFETY:

See the NORMAC NR-45LVHS product SDS. Strict adherence to regional safety regulations must be practiced.