



## NR-45LVHS SPRAYABLE POLYURETHANE

**NORMAC NR-45LVHS** 100% solids 2:1 Polyurethane spray coating cures to 45A shore hardness. Designed using PTMEG Polyether with low-free technology which virtually eliminates isocyanate exposure. For use where abrasion resistance and high elongation are important. Other solutions this product offers are scratch and mark protection, noise reduction, and gripping or friction control. Easily processed by dual cartridge or heated plural component equipment.



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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**

### PROPERTIES

**Prepolymer:** PTMEG-Low Polyether

**Solids:** 100%

**VOC's:** Zero

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

**Colour:** All standard

**Shelf Life:** +2 years unopened

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

**Tensile Strength:** ASTM D412 ~ 5.79MPa (840psi)

**Elongation:** ASTM D412 ~ 890%

**Tear Strength:** ASTM D624 Die C ~ 30.09kN/m (222lbf-in)

**Taber Abrasion:** 1kg, 1000cy, H-18 ~ ASTM D4060-19 ~ 384mg 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:** 2 minutes

**Tack Free:** 20 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

NR45C..... Dual cartridge 600 x 300 ~ 1kg/ 2.2lb

NR45-15..... 52.75kg/ 15 gallon/ 116.29lb

NR45-55..... 600kg/ 165 gallon/ 1321.5lb

### SAFETY

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