



## NR-7S

### SPRAYABLE POLYURETHANE

NR-7S solvent based Polyurethane spray coating has a hardness of 60D 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. This product offers a very low coefficient of friction allowing for applications that require non-sticking, improved material flow rates, and easy cleaning.



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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**
- **Any climate** • **Reduced bridging**

#### TECHNICAL DATA:

**Prepolymer:** Aliphatic Polyether

**Solids:** 56.93%

**Flash Point:** -9°C

**Hardness Shore D:** 60 +/-5

**Colour:** Standard, custom colours available

**Shelf Life:** 2 years unopened

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

**Tensile Strength:** ASTM D412 ~ 35.16 MPa (5100 psi)

**Elongation:** ASTM D412 ~ 220%

**Tear Strength:** ASTM D624 Die C ~ 91.94 kN/m (525 lb-in)

**Taber Abrasion 1kf, 1000cy, H-18:** ASTM D4060-19 ~ 90mg 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:** 19.44 sqm @ 25 micron/kg (94.88 sqft @ .001"/lb)

**Transportation:** DGR

#### APPLICATION DATA (23°C / 73°F)

**Mix Ratio:** 100A: 27B 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, 25.4 kg, 275 kg

#### SAFETY:

Flammable liquid. See the NORMAC NR-7S product SDS. Strict adherence to regional safety regulations must be practiced.