



NC-80

CASTABLE POLYURETHANE

NORMAC NC-80 (formerly NR-806P) is a room-temperature curing castable polyurethane system. Designed primarily to reduce small particle abrasion in both wet and dry environments. Easily processed, application areas include large open surfaces to small intricate molds. NC-80 is one of Normac's most durable and versatile products. It has true elastomeric qualities and performs in a wide variety of surface wear applications.



Normac Adhesive Products Inc.

1350 Heine Court, Burlington ON

Canada L7L 6M4

Tel. 1.905.332.6455

info@normacadhesives.com

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
- Corrosion resistance
- Reduced vibration and noise
- Bonds direct to substrate with proper primer
- Easily refurbished

TECHNICAL DATA:

Prepolymer: PTMEG TDI Ether

Solids: 100%

VOCs: Zero

Hardness Shore A: 80 +/-5

Mixed Density: 1.020 g/cm³ (.037lb/Cl)

Colour: Standard, custom colours available

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

Shelf Life: 2 years unopened

Tensile Strength: ASTM D412 ~ 18.33 MPa (2658 psi)

Elongation: ASTM D412 ~ 396%

Tear Strength: ASTM D624 Die C ~ 70.05 kN/m (400 lb-in)

Abrasion Taber 1kg, 1000cy, H18: ASTM D4060-19 ~ 43 mg loss

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

Bashore Resilience: ASTM D2632 ~ 42%

Operating Temperatures: -56°C (-70°F) to 93°C (200°F)

Immersion Operating Temp: up to 60°C (140°F)

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

Transportation: DGR

APPLICATION DATA (23°C / 73°F):

Processing: Hand batch

Mix Ratio by weight: 100A: 12B

Processing temp: Pt A 43°C (110°F) Pt B 23°C (73°F)

Pot Life: 30 minutes

Demold Time: 12 to 24 hours

Light duty service: 24 hours

Ultimate cure: 5 days

SURFACE PREPARATION - REFER TO APPLICATION GUIDE

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 with NP-9500

NP-100: Concrete

AVAILABLE KIT SIZES:

- 1 kg / 2.2 lbs
- 4.48 kg / 10 lbs
- 22 kg / 48.5 lbs
- 229 kg / 505 lbs

SAFETY

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