

# **NC-60**D castable polyurethane

NORMAC **NC-60D** (Formerly NR-987) 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. This product offers a very low coefficient of friction allowing for applications that require non-sticking and improved material flow rates.



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

## **TECHNICAL DATA:**

Prepolymer: PTMEG Low free TDI Ether Solids: 100% VOCs: Zero Hardness Shore D: 60 +/-5 Mixed Density: 1.006 g/cm3 (.036lb/Cl) Colour: Standard, custom colours available Storage: 23°C/73°F, dry, away from sunlight Shelf Life: 2 years unopened Tensile Strength: ASTM D412 - 32.86 MPa (4766 psi) Elongation: ASTM D412 ~ 250% Tear Strength: ASTM D624 Die C ~ 126.27 kN/m (721 lb-in) Abrasion Taber 1kg, 1000cy, H18: ASTM D4060-19 ~ 67mg 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: 40B 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-SP10 near white including minimum 50 micron (0.002") angular depth profile for maximum adhesion or mechanically roughen using standard SSPC-SP11 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
- 4.4 kg / 9.7 lbs
- 25 kg / 55 lbs
- · 286 kg / 630.5 lbs

#### SAFETY

See the NORMAC NC-60D product SDS. Strict adherence to regional safety regulations must be practiced.