



## NC-60

### CASTABLE POLYURETHANE

NORMAC **NC-60** (formerly NR-606) is a room-temperature curing (60A) two part castable polyurethane system. Designed using PTMEG Polyether chemistry with less than 0.1% free monomer which virtually eliminates isocyanate exposure. Easily processed, application areas include large open surfaces to small intricate molds. NC-60 custom blended formulation suited for applications that require abrasion resistance in addition to a high degree of shock and vibration resistance. Our application guide is available upon request.



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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 primer
- Easily refurbished

#### PROPERTIES

**Prepolymer:** PTMEG- Low Polyether

**Solids:** 100%

**VOCs:** Zero

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

**Colour:** All standard

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

**Shelf Life:** 2 years unopened

**Tensile Strength:** ASTM D412 ~ 13.40 MPa (1944 psi)

**Elongation:** ASTM D412 ~ 562%

**Tear Strength:** ASTM D624 Die C ~ 46.23kN/m (264lbf-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%

**Dry/wet Operating Temperature:** -56°C (-70°F) to 93°C (200°F)

**Immersion Operating Temperature:** Max 60°C (140°F)

**Chemical Resistance:** Usually pH 3 - 11

**Shrinkage:** Approx. 1%

**Specific Gravity:** 1.017gm/cc

**Specific Volume:** 25 cu.in / lb

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

#### APPLICATION DATA (23°C / 73°F)

**Precondition Pt A resin:** +43°C (110°F)

**Method:** Hand batch

**Mix Ratio by weight:** 100A: 15B

**Pot Life:** 30 minutes

**Demold:** < 24 hours

**Ultimate cure:** 7 days

#### 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, Polyurethane, Fiberglass

NP-9600: Immersion and or Aluminum, Stainless alloys

NP-8400: Rubber, PVC belt, Polyurethane

NP-100/200: Concrete

NA-900: Rubber, Concrete

#### KIT PACKAGING

NC60Q..... 1kg/ Quart/ 2.2lbs

NC60G..... 4.4kg/ Gallon/ 9.7lbs

NC60-5.....22kg/ 5 gallon/ 48.5lbs

NC60-55....235kg/ 55 gallon/ 518lbs

#### SAFETY:

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