



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 with low-free technology which virtually eliminates isocyanate exposure. Easily processed, application areas include large open surfaces to small intricate molds. Suited for applications that require abrasion, corrosion resistance and vibration or friction management. Our application guide is available upon request.



Normac Adhesive Products Inc.

1350 Heine Court, Burlington ON

Canada L7L 6M4

Tel. 1.905.332.6455

Sales@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 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-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

NA-900/600R : Rubber, Concrete/PVC belt

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.