



NC-90 CASTABLE POLYURETHANE

NORMAC **NC-90** (formerly NR-906) is a room-temperature curing 90A two part castable polyurethane system. Designed using PTMEG Polyether with low-free technology which virtually eliminates isocyanate exposure. High tensile strength, increased flow rates, and easy processing, application areas include large open surfaces to small intricate molds. For use in dry, wet and immersion environments. 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
- Bonds direct to substrate with primer
- Corrosion resistance
- Easily refurbished
- Reduced vibration and noise

PROPERTIES

Prepolymer: PTMEG- Low Polyether

Solids: 100%

VOCs: Zero

Hardness Shore A: 90 +/-5

Colour: All standard

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

Shelf Life: +2 years unopened

Tensile Strength: ASTM D412 ~ 38.40 MPa (5570 psi)

Elongation: ASTM D412 ~ 427%

Tear Strength: ASTM D624 Die C ~ 90.02 kN/m (514lbf-in)

Abrasion Taber 1kg, 1000cy, H18: ASTM D4060-19 ~ 93mg loss

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

Bashore Resilience: ASTM D2632 ~ 42%

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

Immersion Operating Temperature: up to 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

Ratio by weight: 100A: 30B

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

NC90Q..... 1kg/ Quart/ 2.2lbs

NC90G..... 5kg/ Gallon/ 11lbs

NC90-5.....25kg/ 5 gallon/ 55lbs

NC90-55.....266kg/ 55 gallon/ 586.4lbs

SAFETY

See the NORMAC NC-90 product SDS. Strict adherence to regional safety regulations must be practiced.