



NP-100 CONCRETE PRIMER

NORMAC NP-100 (formerly EP-100) is a two-component moisture insensitive 100% solids epoxy-based concrete primer. Designed with extended working time to maximize surface penetration. Applied to concrete surfaces that are cured for a minimum of 28 days with less than 15% moisture content. Coverage rates will depend on surface roughness and porosity. Can be used on prepared steel, test for adhesion strength.



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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.

COVERAGE

Solids content: 100%

Required DFT: 125micron (.005")

Theoretical coverage: 6.8sqm @ 125 micron/kg (33.4sqft @ .005"/lb)

MIXING

Mechanical mix before use

Appearance: Amber clear

Ratio by volume: 2A: 1B

Ratio by weight: 100A: 45B

Do not dilute

APPLICATION CONDITIONS

Ambient and surface temperature should be similar and above 10°C (50°F). Warming surfaces and surrounding air is a good option when working in colder temperatures. Relative humidity should be below 85% and dew point is maintained 3°C (5°F) above substrate temperature for the duration of the application. Always protect the area from contaminants and direct sunlight.

APPLICATION INSTRUCTIONS (23°C / 73°F)

Apply using one or two coats by brush or roller after proper concrete surface preparation. Concrete may absorb the primer at different levels, noticeable dry surfaces should be reprimed until consistent wet appearance. Grit-blasting using medium to fine grit creating a minimum profile of 2mil (50 microns). Be aware using other forms of surface preparations such as grinding may reduce adhesion and should be tested individually to assure adhesion strength.

Pot Life: 2 hours

Touch dry: 20 hours

Print free: 36 hours

Recoat: < 24 hours

Topcoat: After 1 hour, max 24 hours

Clean up: Suitable solvent

PROPERTIES

Hardness shore D: 80

Tensile strength: ASTM-D412 ~ 9000

Elongation: ASTM D638 ~ 4.5%

Adhesion to concrete: ASTM-D4541 ~ 1325psi (CF)

Mixed Viscosity: 400cps

Flash Point: None

Transportation: Not regulated

Shelf life: +1 year, unopened

Storage: 10°C to 32°C (50°F to 90°F) away from sunlight

KIT PACKAGING

NP100P.....0.45kg/ Pint/ 1lb

NP100Q.....0.90kg/ Quart/ 2lb

NP100G.....3.50kg/ Gallon/ 7.7lb

NP100-5.....21kg/ 5 gallon/ 46lb

SAFETY

See the NORMAC NP-100 product SDS. Strict adherence to regional safety regulations must be practiced.