

### Description

Republic N-55 is an air-curing, non-staining, Neoprene coating that exhibits excellent physical properties. It is a high tensile coating formulated for extreme service conditions to protect against the harmful effects of corrosion and abrasion.

### Uses

- N-55 High Tensile Neoprene Coating is used to protect a variety of surfaces, including metal, concrete, and wood. It is also used for frequent or constant immersion applications.

### Advantages

- Cures without the use of heat for easy installation.
- Provides excellent resistance to abrasion and corrosion.

### Surface Preparation

**METAL** – Clean surface free of all mill scale, rust particles, oil, dirt, grease, etc. Although sandblasting has proven to be the best method of cleaning, other methods such as wire brushing and solvent cleaning that will provide a clean, dry surface can be substituted.

**CONCRETE** – Concrete should be etched. Use a light scrubbing or agitating action to assure thorough wetting and intimacy of contact. Two or three minutes later, rinse with clean water using a light scrubbing action. After rinsing, allow treated surface to dry thoroughly before applying primer.

**WOOD** – Clean thoroughly and make sure surface is thoroughly dry. Wiping with Republic N-450-9 Thinner & Cleaner is recommended.

**RUBBER** – Rubber should be sanded lightly and wiped with N-450-9. No primer is required. However, a patch test should first be run since the adhesion depends on the composition of the rubber compound.

### Primer Application

Stir the contents of the can containing the appropriate primer and apply 1 thin even coat to the clean surface. Allow to dry 1 hour. Four hours may be necessary under adverse conditions such as low temperatures, poor air circulation, etc.

### Application Instructions

N-55 is best applied by brush, keeping the brush wet at all times.

### Technical Information

<b>Color</b>	Black.
<b>Application</b>	Brush.
<b>Thinner &amp; Cleaner</b>	N-450-1 or N-450-11.
<b>Primer</b>	N-11 or N-15.
<b>Storage Stability</b>	1 yr. unopened @ 74°F (23°C) from date of manufacture.
<b>Specific Gravity</b>	1.0.
<b>Density</b>	8.4 lbs./gal.
<b>Flash Point</b>	40°F (4°C) (ASTM D 3278).
<b>Tensile Strength</b>	2,000 psi.
<b>Elongation</b>	400%.
<b>Heat Resistance</b>	intermittent to 200°F (93°C).
<b>Available In</b>	1, 5, & 55 gallon containers.

### Curing

Since N-55 initially cures rapidly, it is necessary to apply 2 or more coats in rapid succession (10 minutes between coats) to prevent subsequent coats from lifting. After 10 days at room temperature (70°F or 12°C), N-55 attains a substantial degree of cure (90%). The rate of cure is influenced by temperature and humidity. Cold, dry air retards the rate of cure, while hot air speeds it up.

### Limitations

N-55 is softened by ketones, esters, aromatic and chlorinated solvents. It has poor to good resistance to oil, depending upon the composition of the oil.

N-55 should not be applied by spray.

# N-55

High Tensile Neoprene Coating

## **The Republic Powdered Metals Coating & Lining Systems Philosophy**

There are no short-cuts to success and no “cure-all” products in the corrosion protection business. A “system” approach is the only means to achieving long-term protection. Republic has the necessary primers, adhesives, sealants, and caulking compounds that are compatible with a wide variety of protective coatings and linings to provide a complete system of protection for abrasion, corrosion and chemical attack problems.

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