



# NP409

## Moisture Vapor Barrier

### *Product Features*

- ◆ Helps reduce effects of moisture vapor transmission
- ◆ 100% Solids
- ◆ Low Odor
- ◆ VOC Compliant
- ◆ Easy to apply; for most projects only one coat is needed
- ◆ Meets the ASTM F3010 product requirements for vapor permeance at the recommended thickness

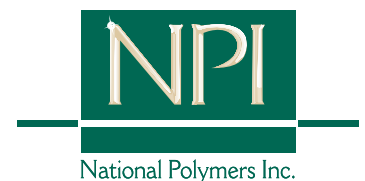
NP409, Moisture Vapor Barrier is a two component 100% solids epoxy seal that can help control moisture vapor emission rates up to 20 lb/24hr/1000 square feet.

This primer can be used prior to the application of a variety of flooring systems including; polymeric coating systems, vinyl sheets, tile, cementitious overlays, terrazo, wood veneers, and carpet.

NP409 can help alleviate some of the issues associated with moisture vapor in concrete. In most situations, one coat of NP409 will do the job.

**800-831-5600**

**[www.nationalpolymers.com](http://www.nationalpolymers.com)**



# NP409 - Moisture Vapor Barrier

## Product Information

The information below contains a brief snapshot of product information- for complete details, including limitations and detailed application- see our technical data sheet.

### **PRODUCT DESCRIPTION:**

NP409 is a two component 100% solids epoxy seal coat that can help control moisture vapor emission rates up to 20 lb/24hr/1000 ft<sup>2</sup>, prior to application of Vinyl sheets, Tiles, Cementitious overlays, Terrazzo, Wood veneers, Carpet or polymeric coating systems. The product meets the ASTM F3010 product requirements for vapor permeance at the recommended thickness.

### **RECOMMENDED FOR:**

Recommended for indoor horizontal concrete.

### **SOLIDS BY WEIGHT:**

100% (+/- 1%)

### **SOLIDS BY VOLUME:**

100% (+/- 1%)

### **VOLATILE ORGANIC CONTENT:**

Zero

### **COLORS AVAILABLE:**

Clear- gardner color 1-3

### **RECOMMENDED FILM THICKNESS:**

17 mils

### **COVERAGE PER GALLON:**

94.4 square feet per gallon @ 17 mils

### **PACKAGING INFORMATION:**

3 gallon kit  
15 gallon kits  
*\*volumes approximate*

### **MIX RATIO:**

9.25 pounds (1 gallon) part A to 4.15 pounds (0.50 gallons) part B (volumes approx.)

### **SHELF LIFE:**

1 year in unopened containers

### **ADHESION:**

350 psi @ elcometer (concrete failure, no delamination)

### **VISCOSITY:**

Mixed= 500-1000 cps (typical)

### **DOT CLASSIFICATIONS:**

Part A "not regulated"  
Part B "CORROSIVE LIQUID N.O.S., 8, UN1760, PGIII"

### **HARDNESS:**

Shore D= 75-80

### **PRIMER:**

None Recommended

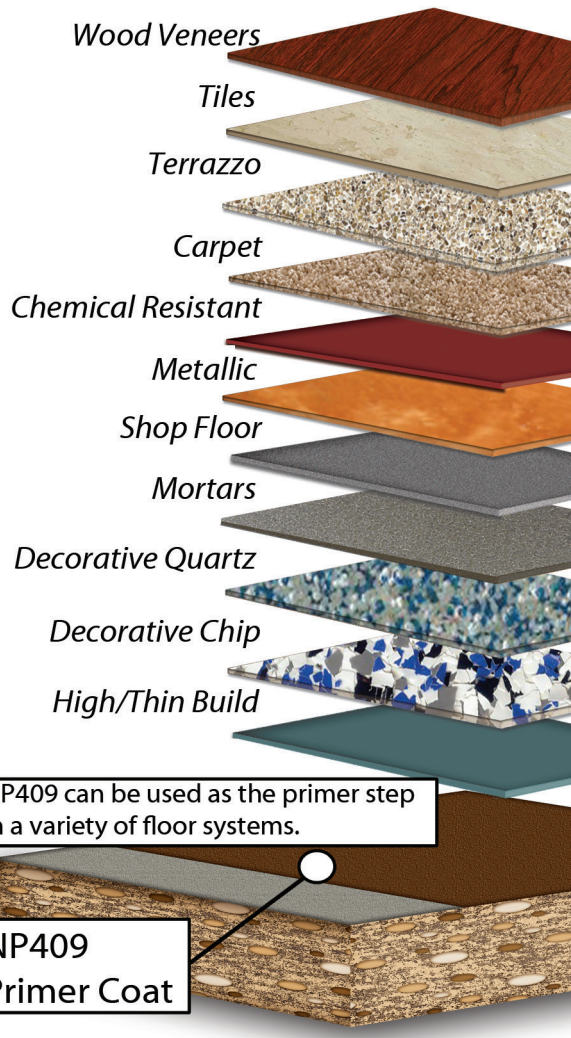
### **TOPCOAT:**

Various topcoat products and systems can be used.

### **Cure Schedule (70)**

pot life – 150 gram mass	28-38 minutes
Tack free (dry to touch)	6-10 hrs.
Recoat or Topcoat	12-16 hrs.
Full Cure (Heavy Traffic)	3-7 days

Surfaces (not shown): cementitious overlays, vinyl sheets, and many other polymeric coating systems



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