



TECHNICAL DATA SHEET

Indu-Poxy™ 100P (PREMIUM)

Product Description:

Indu-Poxy™ 100P (PREMIUM) is a two component 100% solid epoxy industrial floor coating that exhibits excellent chemical and abrasion resistance. Designed for harsh environments such as food and dairy plants. Indu-Poxy 100P (PREMIUM) has a low odor and is USDA compliant.

Recommended for:

Recommended for a high build coat on concrete. Product is suitable for many high traffic and chemical exposure environments.

Solids By Weight:

100% (+/- 1%)

Volatile Organic Content:

Nearly zero pounds per gallon.

Mix Ratio:

3 Parts A to 1 Part B

Finish Characteristics:

High gloss

Tensile Strength:

7,600 psi @ ASTM D638 - Testing Dimensions F=2.25", w=0.500, T=0.125", D=4.5" and rate=0.2"/minute

Gardener Variable Impactor:

180 inch-pounds - passed

Hardness:

Shore D = 86

Adhesion:

420 psi @ elcometer (concrete failure, no delamination)

Yield Compressive Strength:

9,600 psi @ ASTM D695 - 1/2" X 1/2" bars

Cure Schedule:

Pot life (1.5 gallon volume)	15-25 minutes@70° F
Tack free (dry to touch)	8-12 hours@70° F
Recoat or topcoat	12-16 hours@70° F
Light foot traffic	16-24 hours@70° F
Full cure (heavy traffic)	2-7 days@70° F

Application Temperature:

50 - 90° F with relative humidity below 85% for best results.

DOT Classification:

Part A: "not regulated" Part B: "Polyamines, liquid corrosive, N.O.S.(Isophorone Diamine), 8, UN2735, PGIII", Part C: "not regulated"

Viscosity:

50 - 100 cps@70° F

Compressive Modulus

1.95 X 10 psi...ASRM D-695-77

Heat Resistance

210° F (constant).....260° F (intermittent)

Tensile Modulus

3.6 X 10 psi.....ASTM D-638-77a

Tensile Elongation

17%.....ASTM D-6388-77a

Flexural Strength

12,500 psi.....ASTM D-790-71

Flexural Modulus

3.7 X 10 psi.....ASTM D-790-71

Hardness

80 - 85.....ASTM D-2240/Shore D Durometer

Bond Strength

> 420 psi.....100% concrete failure

Abrasion Resistance

0.04 gm/1000 revolutions.....ASTM D-4060, Taber Abrader 5-17 wheel, 1,000 gm load

Flammability

Self extinguishingASTM D-635
Extent of burning 0.25 inches max.

Water Absorption

0.1%.....ASTM C-413

Limitations:

* Color stability may be affected by the environmental conditions such as high humidity or chemical exposure.

* Color may vary from batch to batch. Therefore, use only products from the same batch for an entire job.

* All new concrete must be cured for at least 30 days prior to application.

* Substrate temperature must be 5° F above dew point.

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