



## TECHNICAL DATA SHEET

### Indu-Poxy™ 100P

#### Product Description:

Indu-Poxy™ 100P 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 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

180° F (constant).....210° 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 extinguishing .....ASTM 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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