



TECHNICAL DATA SHEET

Indu-Crete™

Product Description:

Indu-Crete™ is a three-part polyurethane concrete flooring system. Applied at a thickness of ¼" to 3/8" thick or more. Excellent thermal shock resistance. Excellent heat & chemical resistance. Low odor and USDA compliant.

Recommended for:

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

Coefficient of friction:

Wet or dry.
Passes ADA recommendations.

Resistance to elevated temperatures:

No flow or softening....MIL-D-3134

Mix Ratio:

1 Parts A to 1 Part B to 1 Parts C

Finish Characteristics:

Low gloss

Adhesion:

psi (MPa)...400 (2.8) 100% concrete failure....ASTM D-4541

Hardness:

Shore D = 86

Density:

lb/ft² (g/cm³)...130 (2.80).... ASTM C-905

Compressive Strength:

psi (Mpa)...7,300 (50.3).... ASTM C-579

Cure Schedule:

Pot life (3 gallon volume)	15-20 minutes@70° F
Tack free (dry to touch)	6-8 hours@70° F
Light foot traffic	8 hours@70° F
Full cure (heavy traffic)	12 hours@70° F

Application Temperature:

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

Viscosity:

50 - 100 cps@70° F

Compressive Modulus

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

Temperature Service Range

-50° F to 235° F (-45 to 113° C)

Tensile Strength:

psi (Mpa)...800 (5.5)....ASTM C-307

Impact Resistance:

No visible damage (minimum 160 in-lb....ASTM D-2794

Flexural Strength

psi (Mpa) 1,800 (12.4)....ASTM C-469

Coefficient of Thermal Expansion:

in/in/ ° F (cm/cm/°C)...1.1 x 10⁻⁵ (2.0 x 10⁻⁵)....ASTM C-531

Abrasion Resistance

G loss;CS-17 wheel, 1,000 cycles...0.07...ASTM D-4060

Modulus of Elasticity:

psi (Mpa)...1.7 x 10⁵ (1,170)....ASTM C-469

Water Absorption

< 0.1%.....ASTM C-413

Compressive Modulus:

psi (Mpa)... 1.7 x 10⁵ (1,170)....ASTM C-469

Resistance to Fungi Growth:

Passes, rating of one...ASTM G-21

Thermal Conductivity:

BTU-in/in-ft² °F (W/mK)...8 (1.2)....ASTM C-177

Limitations:

- * 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 12 days prior to application.
- * Not UV stable. Will discolor but performance will not be affected.
- * Substrate temperature must be 5° F above dew point.

Indue Sales & Services Inc. believes the information contained herein to be true and accurate. Information contained herein is for evaluation purposes only. Indue makes no warranty, expressed or implied, based upon this literature and assumes no liability or responsibility for consequential or incidental damages as a result of the use of these products and systems described herein, including any warranty of merchantability or fitness.