



GECKO® 5705 URETHANE COMPOUND

Gecko® 5705 is a room temperature curing, two component trowelable urethane compound, formulated for easy mixing and application.

Apply 150 mils thicknesses in one application without sagging or slumping. Cures to medium hard coating, 85 Shore A, high performance polyurethane. Excellent resistance to abrasion, corrosion, wear, impact, expansion/contraction and vibration in varied environments. Excellent for lining and protecting hoppers, chutes, fans, pumps, vibrating and pneumatic conveying equipment.

FEATURES

- Trowelable
- 100% solids
- Tear-resistant urethane compound
- Used to line and repair process equipment exposed to impact abrasion, vibration, expansion, and contraction.
- Cures to a tough, medium-hard rubber (Hardness 85 Shore A)
- Easy-to-mix
- Smoothly trowels
- Bonds to metal, concrete, rubber, wood, and fiberglass surfaces

USE TO

- Repair and rebuild conveyor belts
- Line process equipment to dampen noise
- Line concrete control joints
- Cast flexible molds
- fixtures and parts

PROPERTIES

LIQUID PROPERTIES	ISO450A	AMN940B	MIXED
Appearance	Clear / Lt. Amber	Black	Black
Weight per Gallon	8.8 lbs	8.5 lbs	8.75lbs
Volume Solid	100%	100%	100%
Viscosity 75 Deg F	4100 cps	28 cps	24,000 cps (putty)

PHYSICAL PROPERTIES

- Hardness, Shore A 85
- Tensile Strength, psi2100
- Elongation, %410
- Tear Strength, Die C..... 260
- Resilience, %40

Abrasion Resistance, (Tabor Index)

- H-18 Wheel 1,000 Cycles..... 95 mg Loss
- Percent Solids by Volume.....2100
- ColorBlack
- Coverage (1/4" / 6.35mm)..... 94 in2/lb (1337 cm2/Kg)
- Mixed ViscosityPutty

MIXING INSTRUCTIONS

To ensure proper cure speed and hardness, mix Gecko® 5700 Parts A and B at a temperature between 65°F and 85°F (18–29°C). Mix until the color is uniform and consistent (approximately 2–4 minutes).

PROCESSING PARAMETERS

Apply with a brush, initial build for one coat is 50 mils. 150 mils maximum build for uncured coating.



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SURFACE PREPARATION

For **METAL SURFACES**, thoroughly clean area to be repaired, rebuilt, or lined with any Gecko® solvent based cleaner to remove any soil like oil, grease, or dirt. Roughen surface by grinding with a coarse wheel or an abrasive disc pad, recommended sandblasted per SSPC– SP 5-63 “White Metal Blasting Cleaning”. Apply Gecko® 5705 immediately after sandblasting to prevent oxidation.

For **RUBBER SURFACES**, thoroughly clean area with an abrasive pad and apply any Gecko® solvent cleaner, surface can also be roughened with a grinding wheel so that it is coarse and free from oil and dirt. Wipe or roughen surface with a Gecko® solvent-based cleaner. For **MAXIMUM ADHESION**, sandblast the surface with an angular abrasive until a minimum depth profile of 2-3 mils is met.

For **CONCRETE SURFACES** should be acid etched for immersion applications. · A4milsurface profile is desirable. If an adhesive is required, please contact your Gecko® local distributor.

POTLIFE

25 minutes at 75 Deg °F.

CURETIME

80% Cure 24 hours @ 75 Deg °F.

100% Cure 48 hours @ 75 Deg °F.

LIMITATION

Part A must be clear and fluid when used. Exposure to cool temperatures below zero Deg °F. or to extend storage below 30 Deg °F. may cause Part A to crystallize. This will not harm Part A, however, it must be warmed at 90 to 100 Deg °F. until Completely melted. Cool to room temperature before using.

CHEMICAL RESISTANCE

1,1,1-Trichloroethane	Poor
Aluminum Sulfate 10%	Very good
Gasoline (Unleaded)	Poor
Hydrochloric 10%	Very good
Xylene	Poor
Hydrochloric 36%	Very good
Isopropanol	Poor
MEK	Poor
Phosphoric 10%	Very good
Potassium Hydroxide 40%	Very good
Sodium Hydroxide 50%	Very good
Sodium Hypochlorite	Very good

* Calculated with a 7-day, room temp. cure (30 days immersion) @ 75°F (24°C)

STORAGE

Systems should be stored unopened in airtight containers at 60– 90 degrees °F. Partially emptied containers should be swept free of atmospheric moisture with dry nitrogen before sealing.

HANDLING PRECAUTIONS

For complete and updated health and safety information, read the MATERIAL SAFETY DATA SHEETS. Do not handle or use it until the MATERIAL SAFETY DATA SHEET has been read and understood.

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