PC LEVELPRO
Spray Foam
Technical Data Sheet

Product Design

PolyCon LevelPro is a 4 lb hyrdrophobic, dual component, water-blown system formulated for concrete lifting and leveling. Its hydro-insensitive formulation delivers reliable expansion and control, even in challenging site conditions. Designed to perform in saturated environments, PolyCon LEVELPRO maintains strength and stability where moisture is present.

Product Use

PC LEVELPRO is a two-component, high-density polyurethane foam designed for precision concrete lifting and leveling. Once injected beneath a slab, the foam expands to fill voids, stabilize soils, and gently raise concrete back to grade. It provides a fast, clean, and cost-effective alternative to slab replacement.

Recommended Product Applications

- Highways
- Runways & Taxiways
- Void Filling
- Concrete Slab Lifting
- Driveways
- Loading Docks
- Foundation Repair
- Sidewalks

Core Advantages

- Fast Reactivity
- Pinpoint Accuracy
- Controlled Expansion
- Moisture Resistant
- Quick Cure Time

Recommended Processing Parameters

	PC LEVELPRO
A-Side Temperatures	90-120°F
B-Side Temperatures	90-120°F
Mixing Pressure	1000 psi static 800 psi dynamic

Optimum hose pressure and temperature for foam concrete lifting can vary depending on the type of proportioning equipment, site conditions, and the specific lift requirements. Applicators are responsible for following equipment and material technical literature, with special attention to acceptable combinations of gun chamber size, proportioner output, hose temperature, and material pressure. Proper setup ensures accurate foam expansion, controlled lift, and long-term slab stability.

Physical Properties

Properties	Test Method	Value
Density	ASTM D1622	4 lb/ft^3
Compressive Strength	ASTM D1621	>60 psi
Shear Strength	ASTM C273	90 psi
Closed-Cell Content	ASTM D6226	>95%
Water Absorption	ASTM D2842	<1.00%
Tensile Strength	ASTM D1623	135 psi

Liquid Properties

Component	RESIN	ISO
Appearance	Clear Gold Liquid	Clear Brown Liquid
Brookfield Viscosity @20rpm	580 cps at 72°F	200 cps at 72°F
Specific Gravity	1.02	1.24
Weight per Gallon	8.51 lbs	10.3 lbs
Storage Temperature	50-100°F	50-100°F
Mixing Ratio (Volume)	100	100

Material Shelf Life

Six (6) months when stored properly

Reactivity

	PC LEVELPRO
Cream Time	3-5 Seconds
Gel Time	10-12 Seconds
Track Free Time	16-18 Seconds
Rise Time	20-25 Seconds

PolyCon LLC
1755 Transcentral Court, Suite 400
Houston, Texas 77032

1-855-PC1-FOAM
www.polyconspf.com

PC LEVELPRO Spray Foam Technical Data Sheet

Handling and Safety

Respiratory protection is Mandatory!

All precautions should be taken to avoid occupational exposure as well as protecting the working area to avoid unintended exposure by others. Supplied air and a NIOSH approved full face mask respirator must be used during the application as well as chemical safety goggles, protective, non-absorbent gloves and Tyvek suit properly secured around wrists to avoid any and all skin exposure.

Positive pressure ventilation of the work area is recommended to minimize the accumulation of vapors in the work area during the application. Improper application techniques of this foam system must be avoided. Any interior area, even with proper ventilation, should be considered a Confined Space and be treated with utmost precaution. Atomized vapors should not exceed TLV .02 parts per million of isocyanates. Avoid breathing vapors. Persons with known sensitivities or allergies should avoid exposure completely. If inhalation occurs, remove person from contaminated area and administer oxygen if having difficulty breathing. Call a physician immediately. Avoid contact with skin, eyes and clothing.

Open containers carefully, allowing any pressure in the container to be relieved safely. Any contact with material should be washed thoroughly with soap and water. Wash clothes before reuse.

Applicators should ensure the safety of the jobsite and construction personnel by posting appropriate signs warning all adjacent workers and trades to avoid the area. Ensure warning signs are visibly posted at job site that welding, soldering and torch cutting should take place no less than 45 feet from exposed in situ cured foam. If work must be performed, the polyurethane foam should be properly covered with an appropriate fire or welders blanket and fire watch should be provided.

A protection program developed by the Center for Polyurethanes Industry (CPI) is available for download at www.polyurethane.org. Spray Polyurethane Foam Alliance (SPFA) also provides significant safety resources at www.sprayfoam.org, or can be reached directly at 571-748-5003.

In Case of Spills or Leaks

- Utilize appropriate personal protective equipment (PPE)
- Contain and cover spilled materials with loose, absorbent material such as Oil-Dry, Vermiculite, sawdust or Fuller's Earth
- Shovel absorbent waste material into proper waste containers
- Wash the contaminated area thoroughly with hot and soapy water
- Ventilate area to remove vapor
- Report sizable spills to proper environmental agencies

Jobsite Hazards

The potential results of improperly applied materials may include but not limited to excessive heat build-up which could result in a fire or offensive odors which may not dissipate over time and / or poor product performance due to improper density of the applied material.

In case of Fire Extinguishing Media

Use fire-fighting methods suitable for the surrounding conditions and materials involved. Recommended extinguishing agents include:

- Foam
- Carbon dioxide (CO_2)