

**POWERFUL POLYMERS
PAINLESS PROCEDURES
RAPID RESULTS**

Slab Lifting at a High School in Buffalo, New York

A general contractor working for a school district in Buffalo, New York was asked to lift and level around 550 feet of sidewalk slabs at a local high school. The general contractor called in slab lifting specialists to get the job done. Since sunken slabs often result in trip hazards, getting the job done quickly and permanently was a top priority.

POWERFUL POLYMER

The slab lifting crew showed up on the scene armed with AP Lift 435 high-strength polyurethane and several Jack Attack devices.



Physical Properties - Cured

AP LIFT 435			
Compressive Strength	(ASTM D-1621)	64 p.s.i. or 9,215 p.s.f.	4,412 millibar
Tensile Strength	(ASTM D-638)	94 p.s.i.	6,481 millibar
Expansion	(Unconfined)	20-22 times	-
Density	(ASTM-D 1622)	3.25 to 3.75 lb/ft3	52.06 to 60.07 kg/m3

Properties will vary depending on application conditions.

PAINLESS PROCEDURE

They leveled all 550 feet of sunken sidewalk slabs with total precision. They performed lifts ranging from 0.5 to 6 inches, depending on the slab. In some cases, they lifted with polyurethane only and in others, they raised the slab with the jacking devices before injecting the polyurethane underneath.

RAPID RESULT

The entire job was completed in only two days. The general contractor and school administrators were both amazed at the efficiency and surgical precision of the polyurethane slab lifting method.

About Alchemy-Spetec

The Leak Seal Division

The Alchemy-Spetec Leak Seal Product Line combines a full-system offering of polymer chemical grouts and equipment with perhaps the most experienced technical team in the industry. For any concrete leak seal application, lean on the Alchemy-Spetec team for phone, field, or engineering support. Our growing network of Regional Managers, Independent Representation, and Nationwide Distribution offers industry professionals many levels of opportunity worth discussing with our team. Consultants at Alchemy-Spetec pride themselves on rapid, powerful, and painless scheduling of field and technical support. We invite you to inquire about our bi-annual factory training held at the Tucker, GA-based manufacturing facility where they can learn from the 20+ year average industry experience of our Regional Management and Technical Team.

The Geotech Division

The Alchemy-Spetec Geotech Product Line offers industry-leading quality, full chemical grout lifting rig training and support, and unmatched contractor support in the field and with sales and marketing. Contact us today to learn about the tangible benefits of joining the Alchemy-Spetec network of geotech contractors. The Alchemy-Spetec MixMaster Pro Gun is a maintenance and production cost-saver for any lifting contractor, while the flagship lifting foams have helped many contractors reduce volume usage while eliminating call-backs. From the Polybadger machine that fits into a pickup truck, to custom boxtruck and trailer rig buildouts, Alchemy-Spetec is widely considered the premier geotechnical chemical grout & equipment supplier. With the additions of ground penetrating radar and penetrometer equipment and support, Alchemy-Spetec is truly on the cutting-edge of the chemical grouting industry.