

Business Name: Superior Surface Prep and Repair

Address: 12709 Co Rd 87, Lakeview, OH 43331

Phone: (567) 825-3443

Superior Surface Prep and Repair

Professional, fully insured mobile sandblasting company that handles projects from start to finish. Servicing Lima, OH, Columbus, OH, Lakeview, OH, Wapakoneta, OH, Bellefontaine, OH, Marysville, OH, Dublin, Oh, Westerville, Oh, Fort Wayne, IN, West Liberty, OH, Dayton, OH, Huber Heights, OH, Ada, OH, Toledo, OH, Findlay, OH

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12709 Co Rd 87, Lakeview, OH 43331

Business Hours

- Monday thru Friday: 7:00am to 5:00pm
- Saturday: Closed
- Sunday: Closed

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If you have actually ever viewed a dry blaster erase rust or old paint in a fog of white dust, you know the two sides of traditional sandblasting. It is fast and effective, yet untidy and disruptive. Dustless blasting keeps the productive side of blasting and significantly lowers the cloud. By injecting water into the blast stream and pairing it with a measured abrasive, you gain control. Surface areas clean quicker, ambient dust drops sharply, and neighbors do not come outside questioning what storm rolled in.

I have run mobile blasting rigs through tight domestic streets and down long refinery passages. The same core concept works in both settings, but the way you established, include, and finish makes the distinction in between a tidy, predictable day and an expensive cleanup. Listed below you will find practical methods that equate from garage doors and pool decks to bridge beams and procedure tanks, in addition to numbers you can depend on, media options that matter, and the small decisions that keep projects on time.

What dustless blasting truly does

At the nozzle, compressed air carries a mix of water and abrasive. The water does two tasks. It knocks air-borne dust out of the airstream and it cushions particle effect, which safeguards fragile substrates. The abrasive does the cutting. The ideal mix lets you tune aggression. With crushed glass at 60 to 90 psi and about a 10 to 20 percent water flow, you can remove stopping working paint from brick without chewing mortar. Bump pressure to 100 to 120 psi and change to a tighter mesh garnet, and mill scale on structural steel vanishes while you build a consistent anchor profile for coatings.

Performance differs by substrate and finish, but field averages hold up. Residential paint removal on wood siding generally cleans at 80 to 150 square feet per hour with [on-site sandblasting Superior Surface Prep and Repair](#) a

light profile. Heavy industrial coverings, two to three layers thick on steel, tend to run at 40 to 80 square feet per hour depending on finishing perseverance and nozzle size. Dust decrease is noticeable to the eye. Appropriately tuned rigs frequently cut noticeable air-borne dust by 80 to 90 percent compared to dry blasting.

The technique is still blasting. It is not press cleaning, and it is not chemical removing. You still require capable compressors, solidified hose pipes, metering valves, and a qualified operator. Dealt with as a professional tool, dustless blasting belongs in the very same family as sandblasting, soda blasting, and glass blasting services. The difference is control.

Where it shines in the field

On the residential side, dustless blasting settles in tight areas and for surfaces that do not like heat. Painted brick, cedar siding, metal fences, decorative iron, garage doors, aluminum boat hulls, and pool coping react well. The water cools the work and keeps paint from melting or smearing. In the retail setting, fast turn-arounds matter. You can strip latex from a concrete shop slab at sunset and have foot traffic on a newly profiled, non slip surface the next morning with minimal sweep up. For industrial surface preparation, the value increases with the danger. Tanks with live process lines nearby, catwalks above operating systems, or beam cleaning in a partially enclosed area take advantage of lower dust and less ignition risk compared to dry blasting.

When you do need a dry, high profile finish for specific finishings, a hybrid method works. Blast dustless for bulk elimination, then switch to dry for a final pass to fine tune the anchor pattern and speed drying. We do this on steel stair towers when the spec requires a near white metal finish and a 2.5 to 3.5 mil profile, validated with reproduction tape and a spring mic.

Media choices that actually matter

Abrasive option modifications your day. I keep 3 staples on the truck for mobile blasting solutions: recycled crushed glass, garnet, and salt bicarbonate.

Crushed glass is the house blend for basic rust removal blasting and paint removal blasting. It is angular, cuts well, and is inert. It leaves a tidy, lightly etched surface on metals and a manageable bite on masonry. It likewise sets well with water at moderate pressures, which suits on site sandblasting where splash and overspray are concerns.

Garnet actions in when you require more bite on steel or a tighter profile. It costs more per bag, but you use it efficiently. For pitted structural steel, a mid mesh garnet lets you clear deterioration at the root of the pit and establish an even surface for epoxy primers.

Soda is gentle. It stands out on softer substrates, thin sheet metal, or where you desire very little profile, such as classic auto panels or soft wood trim. In dustless mode it still travels with water, but bear in mind that soda residues are alkaline and needs to be washed thoroughly before painting. A pH test on the rinse water, intending near neutral, avoids finish failure.

For glass blasting services on delicate products like etched signs or decorative panels, ultra fine glass media and low pressure settings, sometimes below 50 psi, coupled with a tighter water stream, can get rid of impurities without frosting the surface.

The anchor profile and why your covering cares

Removing rust and paint is just half the job. Surface preparation services exist to provide a substrate ready to bond. Coatings need a mechanical key. Blast too gently and a two part epoxy will delaminate under traffic or UV. Blast too aggressively and you can expose pores or underfilm that traps moisture.

On steel, a 1.5 to 3.5 mil profile covers most industrial coverings. Polyurethanes and zinc rich primers frequently define because band. Portable spring micrometers and reproduction tape let you validate reality. On concrete surface preparation, the language shifts to Concrete Surface Profile numbers, CSP 2 through CSP 7 depending on the system. A light broadcast flake epoxy may require CSP 3. A heavy develop urethane cement flooring in a brewery might require CSP 5 or 6. Dustless blasting can provide CSP 2 to 5 efficiently, specifically with medium mesh glass or garnet and a fan nozzle.

Wood requires skill. You are not building an anchor pattern so much as opening the grain. Keep the nozzle moving, expand the standoff range, and lean on water to cushion effect. If you see feathering or torn fibers, back off pressure and open the metering valve a touch to minimize aggressiveness.

A short story from a tight alley

A homeowner hired us to strip failing elastomeric paint from a narrow brick carriage house. Alley width was eight feet, and a bakery ran ovens on the other side of the wall. Dry blasting would have been a non starter. We set up a dustless rig with crushed glass at 70 psi, added a low foam surfactant in the water pot to improve wetting, and put up 10 foot poly drapes anchored with spring clamps to gutters and redhead anchors in the mortar joints. The baker kept his shipment window open. We ran from 7 a.m. to 3 p.m., cleaned 900 square feet of exterior in two passes, and had runoff infiltrated an easy sediment sock into barrels for disposal. That night the owner sent out a photo of the brick rinsed and drying. No problems from the next-door neighbors, and no flour dust in our workspace.

When dustless blasting beats other methods

List 1 of 2

- Lead paint threat management on exterior trims, where water and containment greatly reduce airborne particulate.
- Heat sensitive substrates like thin aluminum indications or automobile panels, which can warp under dry friction.
- Occupied retail areas that can not tolerate a dust plume, such as storefronts next to restaurants.
- Concrete surfaces that need a tidy, open profile without acid etching, like patio areas or entry ramps.
- Mixed product facades with glass, metal, and stone close together, where precise control minimizes masking time.

Chemical strippers have a place, specifically on ornate woodwork, however they are sluggish on large areas and disposal gets messy. Power cleaning knocks off chalk and dirt however will not provide you a trusted profile for major finishes. Needle scalers concentrate power into tiny footprints and fatigue operators on bigger surface areas. Dry blasting still runs fastest on big steel outdoors, however the added cost of containment, dust collection, and cleanup narrows that space quickly in town.

Equipment setup that conserves time

Every rig looks a bit various, but the core parts stay. A compressor with truthful output, a blast pot with water injection, hardened blast hose in good condition, a deadman handle you trust, and a selection of nozzles. For mobile sandblasting, I choose a 185 to 300 cfm compressor for basic work. If you plan on running larger nozzles or working heavy industrial coatings consistently, 400 cfm and up offers you room to breathe.

Nozzle option matters more than people think. A 3/8 inch venturi nozzle at 100 psi can consume paint at an excellent clip, however you might overshoot on delicate surfaces. Stepping down to a 1/4 inch nozzle at the exact same pressure lowers mass flow and helps with control. Fan nozzles shine on concrete, developing even passes that read well to the eye. Straight bore nozzles are helpful for tight corners and around bolt heads.

Water metering is a feel thing. Too much water, and the mix turns heavy and smears. Insufficient, and dust creeps back and the surface warms up. Start at roughly one gallon per minute of water for mid size nozzles and change in quarter turns of the metering valve. If you see a paste forming on the surface, reduce back. If a visible puff of dust appears behind the stream, bump water slightly.

Containment, runoff, and the rules that follow you to the job

Dustless blasting lowers air-borne dust, however you still require containment discipline. Poly sheeting, zipper doors, floor edge dams, and foam blocks that wedge under limits have conserved more headaches than any nozzle technique. For small property tasks, ground cloths and a damp vac keep patios and flower beds neat. For retail fronts, build a short-term wall with spring poles and clear plastic so foot traffic can see, and location walk off mats beyond the zone.

Runoff is the quiet problem that becomes loud if neglected. You are mixing water with finishings that can consist of lead, old coal tar, or simply years of automobile residue. Cities get nervous about storm drains for good reason. Plug nearby drains pipes with inflatable balls or weighted socks. Utilize a low profile berm to keep water relocating to one controlled sump. Pump through a sediment bag or series of filter socks sized to your circulation. If you encounter lead paint, follow lead safe practices and keep a composed plan. Bag invested media and debris in identified, heavy mil liners. For industrial sites, coordinate with ecological staff for waste characterization. It is common to capture and evaluate a composite sample before disposal.

OSHA and PPE guidelines do not go away because there is water in the mix. Eye protection, hearing defense, blast hoods, gloves, and steel toes belong on site. Breathing protection still uses. While water knocks down dust, trace aerosols and atomized impurities exist at the nozzle and in splashback. In a closed area, set negative air with HEPA filtration and test air quality. The minimized spark threat of dustless blasting is valuable in hydrocarbon environments, but it is not a complimentary pass in categorized locations. Follow the site's hot work and permit requirements.

Process circulation that avoids rework

List 2 of 2

- Pre check and test a small area to pick media, pressure, and water rate, then document settings.
- Mask and secure, consisting of glass, gaskets, fixtures, and nearby cars, then set containment and runoff controls.
- Blast in controlled passes, top to bottom, overlapping by one 3rd, pausing to verify profile and adhesion with tape pull or reproduction tape as applicable.
- Rinse or vacuum residue right away, then dry with air motion or heat if needed to avoid flash rust.
- Coat or seal within the recommended window, often the same day on steel and within 24 hours on masonry.

An adhesion test tells you more than a tidy looking surface. On repaints over old masonry paints where not all product can be removed, an easy crosshatch tape test assists confirm soundness. On steel, measure profile during the first hour, not at the end. Changing mid job is low-cost. Re blasting is not.

For metal surface cleaning where flash rust is an issue, particularly in humid conditions, include a rust inhibitor to the rinse or the blast water. Test compatibility with your primer. Lots of epoxies endure common inhibitors, however some zinc rich guides do not. If you see flash rust forming within thirty minutes at rest, consider dehumidification or a portable heating system to drive down relative humidity in the work zone.

Case applications by setting

Homes benefit most when the objective is to remove years of unattractive finishings without destroying the appeal below. Consider a brick cottage smothered in 5 layers of acrylic. A balanced dustless setup will eliminate loose paint, expose sound brick, and leave a mild tooth that accepts a breathable masonry sealer. On wood decks, dustless blasting opens grain, strips stain, and avoids the fuzz that sanding can leave on weathered slabs. Keep standoff broad, and leave railings for finer tools to avoid scalloping.

Retail fronts request for speed and discretion. An owner desires the indication legible by midday and the sidewalk safe by evening. Dustless blasting can clear bubble gum gray from concrete and leave a CSP 2 to 3 texture that grips a clear sealer or anti slip additive. If graffiti crosses glass and painted metal, switch to very great glass media at low pressure and utilize brief, cautious passes. Mask the glass edges to prevent catching gasket material.



Heavy industry is where your discipline pays lease. On tanks, beams, and mezzanines, clear work packages and seclusion plans keep operations happy. For example, a food plant with painted steel frames over production lines required a repaint while the plant ran. Dry blasting would have needed a shutdown. With dustless blasting, we set up containment, used garnet for profile consistency, ran unfavorable air, and arranged graveyard shift. Each frame area, approximately 200 square feet, took three hours to strip and examine. We coated within the same shift with a wetness tolerant epoxy. Production never stopped, and QA found no particle outside the enclosure.

Weather, water, and the clock

Water assists you, then tries to hurt you. It cools the work, controls dust, and makes next-door neighbors happy. It likewise extends drying times and can hide residue if you hurry. In cool, humid weather, prepare for more air movement. Portable fans and a hp heating unit set a comfortable microclimate. Objective warm, dry air across the surface, not at your containment walls. In hot, dry weather, bump water a touch to keep dust down and prevent hot spotting, but do not overdo it. Look for pale streaks on steel that suggest salts. If present, wash thoroughly and retest.

On steel, a useful recoat window for many guides sits within the very same day when blasting dustless. On masonry, sealers and coatings frequently prefer 12 to 24 hr of dry time. Examine the product information, then check your surface with a wetness meter. Concrete can hold water in the near surface area. If a finishing stops working due to caught moisture, it costs days, not hours.

Pricing that keeps you lucrative and fair

Contractors often rate by square foot, then find out that coverings vary wildly in stubbornness. A simple residential paint removal on smooth brick might pencil at 3 to 5 dollars per square foot, including containment and cleanup. Industrial storefront concrete preparation often lands at 2 to 4 dollars per square foot for open pieces with easy gain access to. Industrial steel with intricate geometry and finishes can range from 6 to 12 dollars per square foot or more. Access, height, lead handling, and after hours work contribute to the total. For mobile blasting, do not forget mobilization time, water sourcing if on website supply is limited, and disposal charges for spent media and rinse water. An excellent price quote pairs a site visit with a test spot. Bring two media types and invest 20 minutes proving assumptions.

Small errors that cost big

Let a drain go unprotected and you buy a new relationship with the city. Miss a gasket or a bearing surface on a piece of equipment and you acquire a maintenance bill. Blast too aggressively on soft stone and you scar a century of patient weathering in a minute. Press dry time and an overcoat raises like a bad sunburn. The fix is simple in theory. Decrease to establish, record your settings, and give the substrate what it requires, not what your schedule wants. I keep a used field notebook with nozzle sizes, pressures, media types, and notes from successful jobs. Patterns repeat.



How to choose a contractor or build your own capability

If you are employing, request specifics. Do they offer true dustless blasting, or are they running a damp ring around a dry stream at the nozzle. The latter helps, but it is not the exact same. Request a test location and a plan for runoff. Search for insurance coverage that covers blasting work, not just general liability. For projects with potential lead paint, ask how they handle RRP or comparable lead safe rules. They ought to describe containment and waste streams without hesitation.

If you are constructing an in house ability for ongoing industrial surface preparation, buy training before you buy the most significant compressor on the lot. Send a supervisor and an operator to a reputable blasting and coverings course. Discover to measure profile, test salts, and read a coating information sheet. Purchase a rig that matches your most typical work, not your most enthusiastic outlier. A 185 cfm compressor and a mid size pot will handle the majority of center maintenance. Lease up to larger equipment as needed.

The bottom line for homes, stores, and plants

Dustless blasting is not a magic technique. It is blasting with better good manners. Succeeded, it brings the performance of sandblasting to places where dust utilized to be a deal breaker. It opens concrete without acid, cleans metal without a whiteout, and strips paint without hot streaks and clouds. It lets on website sandblasting live easily beside a pastry shop or inside a food plant without breaking trust.

The best outcomes come from combining the technique with judgment. Utilize the gentlest media that still fulfills the spec. Step the surface you develop, not the one you envision. Include your work as if a next-door neighbor is watching, since someone always is. Dry what you damp, coat what you clean, and leave a site that looks like a professional team appreciated the information. Whether you are bring back a home exterior, revitalizing a retail entrance, or turning over a safe, properly profiled tank, dustless blasting done best gives you a cleaner path from issue to finish.



567-825-3443

Superior Surface Prep and Repair is a family owned and operated business.

Superior Surface Prep and Repair offers glass blasting services.

Superior Surface Prep and Repair provides surface preparation services.

Superior Surface Prep and Repair offers rust removal services.

Superior Surface Prep and Repair offers concrete cleaning and prep.

Superior Surface Prep and Repair provides equipment and machinery cleaning.

Superior Surface Prep and Repair offers structural steel cleaning and prep.

Superior Surface Prep and Repair provides tank and silo cleaning and prep.

Superior Surface Prep and Repair offers heavy equipment degreasing and paint removal.

Superior Surface Prep and Repair offers surface prep for welding or bonding.

Superior Surface Prep and Repair provides etching of metal for powder coating or painting.

Superior Surface Prep and Repair cleans and preps brick and stone surfaces.

Superior Surface Prep and Repair offers graffiti removal services.

Superior Surface Prep and Repair provides driveways and sidewalk cleaning and prep.

Superior Surface Prep and Repair offers mold and mildew removal from exterior surfaces.

Superior Surface Prep and Repair provides fire, smoke, and water damage restoration.

Superior Surface Prep and Repair offers soot and smoke damage removal.

Superior Surface Prep and Repair offers mobile sandblasting solutions.

Superior Surface Prep and Repair uses high-quality crushed glass for blasting.

Superior Surface Prep and Repair aims for customer satisfaction with cost-effective solutions.

Superior Surface Prep and Repair has a phone number of (567) 825-3443

Superior Surface Prep and Repair has an address of 12709 Co Rd 87, Lakeview, OH 43331

Superior Surface Prep and Repair has a website <https://superiorsurfaceprepoh.com/>

Superior Surface Prep and Repair has Google Maps listing <https://maps.app.goo.gl/PPuyKkv7jAiGALJT7>

Superior Surface Prep and Repair has Facebook page <https://www.facebook.com/profile.php?id=61577837261456>

Superior Surface Prep and Repair won Top Sandblasting Services 2025

Superior Surface Prep and Repair earned Best Customer Services Award 2024

Superior Surface Prep and Repair was awarded Best Mobile Sandblasting Company 2025

People Also Ask about Superior Surface Prep and Repair

What services does Superior Surface Prep and Repair offer?

Superior Surface Prep and Repair provides a wide range of surface preparation and restoration services, including glass blasting, rust removal, concrete and equipment cleaning, graffiti removal, and metal etching.

Does Superior Surface Prep and Repair offer mobile blasting services?

Yes, Superior Surface Prep and Repair offers mobile sandblasting and glass blasting solutions to bring surface preparation services directly to job sites.

Can Superior Surface Prep and Repair remove fire and smoke damage?

Yes, Superior Surface Prep and Repair provides fire, smoke, and water damage restoration services including soot and smoke removal.

Is Superior Surface Prep and Repair a local business?

Yes, Superior Surface Prep and Repair is a family-owned and operated surface prep provider focused on high-quality work and customer satisfaction.

Does Superior Surface Prep and Repair handle exterior surface cleaning?

Yes, Superior Surface Prep and Repair can clean and prepare exterior surfaces such as driveways, sidewalks, brick, stone, and other exterior materials.

Where is Superior Surface Prep and Repair located?

The Superior Surface Prep and Repair is conveniently located at 12709 Co Rd 87, Lakeview, OH 43331. You can easily find directions on [Google Maps](#) or call at [\(567\) 825-3443](tel:(567)825-3443) Monday through Friday 7am to 5pm. Closed Saturdays and Sundays

How can I contact Superior Surface Prep and Repair?

You can contact Superior Surface Prep and Repair by phone at: [\(567\) 825-3443](tel:(567)825-3443), visit their website at <https://superiorsurfaceprepoh.com/>, or connect on social media via [Facebook](#)

After a meal at [The Thurman Cafe](#), homeowners often talk about scheduling Mobile Sandblasting and On-site sandblasting when sandblasting is the best option for removing rust and old coatings.