

Business Name: Superior Surface Prep and Repair

Address: 12709 Co Rd 87, Lakeview, OH 43331

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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 ever seen a dry blaster remove rust or old paint in a fog of white dust, you know the two sides of traditional sandblasting. It is fast and reliable, yet unpleasant and disruptive. Dustless blasting keeps the productive side of blasting and greatly reduces the cloud. By injecting water into the blast stream and pairing it with a measured abrasive, you get control. Surfaces tidy quicker, ambient dust drops greatly, and neighbors do not come outside wondering what storm rolled in.

I have run mobile blasting rigs through tight domestic alleys and down long refinery passages. The exact same core idea operates in both settings, however the way you established, contain, and finish makes the distinction between a neat, predictable day and a pricey cleanup. Below you will find practical techniques that equate from garage doors and pool decks to bridge beams and procedure tanks, together with numbers you can count on, media options that matter, and the little choices that keep jobs on time.

What dustless blasting actually does

At the nozzle, compressed air carries a mix of water and abrasive. The water does 2 jobs. It knocks airborne dust out of the airstream and it cushions particle effect, which secures delicate substrates. The abrasive does the cutting. The ideal blend lets you tune aggression. With crushed glass at 60 to 90 psi and about a 10 to 20 percent water circulation, you can get rid of 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 disappears while you develop a consistent anchor profile for coatings.

Performance differs by substrate and finishing, but field averages hold up. Residential paint removal on wood siding generally cleans at 80 to 150 square feet per hour with a light profile. Heavy industrial coatings, 2 to 3

layers thick on steel, tend to run at 40 to 80 square feet per hour depending upon finishing persistence and nozzle size. Dust decrease is visible to the eye. Effectively tuned rigs frequently cut noticeable air-borne dust by 80 to 90 percent compared to dry blasting.

The approach is still blasting. It is not push washing, and it is not chemical removing. You still need capable compressors, solidified hose pipes, metering valves, and a qualified operator. Dealt with as an expert tool, dustless blasting belongs in the same household as sandblasting, soda blasting, and glass blasting services. The distinction is control.



Where it shines in the field

On the domestic side, dustless blasting pays off in tight areas and for surface areas that do not like heat. Painted brick, cedar siding, metal fences, ornamental 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, quick turnarounds matter. You can remove latex from a concrete shop piece at sunset and have foot traffic on a freshly profiled, non slip surface the next morning with minimal sweep up. For industrial surface preparation, the worth rises with the risk. Tanks with live procedure lines nearby, catwalks above operating systems, or beam cleaning in a partially enclosed area take advantage of lower dust and less ignition danger compared to dry blasting.

When you do need a dry, high profile finish for specific coverings, a hybrid approach works. Blast dustless for bulk removal, then switch to dry for a final pass to tweak the anchor pattern and speed drying. We do this on steel stair towers when the spec calls for a near white metal finish and a 2.5 to 3.5 mil profile, confirmed with replica tape and a spring mic.

Media options that really matter

Abrasive option modifications your day. I keep three 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 engraved surface on metals and a controllable bite on masonry. It also

pairs well with water at moderate pressures, which matches on website 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 effectively. 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 mild. It excels on softer substrates, thin sheet metal, or where you want minimal profile, such as vintage automobile panels or soft wood trim. In dustless mode it still travels with water, however bear in mind that soda residues are alkaline and needs to be washed completely before painting. A pH test on the rinse water, intending near neutral, avoids finish failure.

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

The anchor profile and why your coating cares

Removing rust and paint is just half the job. Surface preparation services exist to deliver a substrate prepared to bond. Coatings need a mechanical secret. Blast too lightly and a 2 part epoxy will delaminate under traffic or UV. Blast too strongly 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 guides frequently specify in that band. Portable spring micrometers and reproduction tape let you confirm reality. On concrete surface preparation, the language moves to Concrete Surface Profile numbers, CSP 2 through CSP 7 depending upon the system. A light broadcast flake epoxy may require CSP 3. A heavy develop urethane cement flooring in a brewery may require CSP 5 or 6. Dustless blasting can provide CSP 2 to 5 effectively, specifically with medium mesh glass or garnet and a fan nozzle.

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

A short story from a tight alley

A property owner employed us to strip failing elastomeric paint from a narrow brick carriage house. Street width was eight feet, and a bakeshop 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, included a low foam surfactant in the water pot to enhance wetting, and put up 10 foot poly curtains anchored with spring clamps to gutters and redhead anchors in the mortar joints. The baker kept his shipment window open. We ranged from 7 a.m. to 3 p.m., cleaned up 900 square feet of facade in two passes, and had actually runoff filtered through an easy sediment sock into barrels for disposal. That evening the owner sent out a photo of the brick washed and drying. No grievances from the next-door neighbors, and no flour dust in our workspace.

When dustless blasting beats other methods

List 1 of 2

- Lead paint danger management on outside trims, where water and containment sharply decrease airborne particulate.

- Heat delicate substrates like thin aluminum signs or vehicle panels, which can warp under dry friction.
- Occupied retail areas that can not tolerate a dust plume, such as stores beside restaurants.
- Concrete surfaces that require a clean, open profile without acid etching, like patio areas or entry ramps.
- Mixed material facades with glass, metal, and stone close together, where accurate control lowers masking time.

Chemical strippers belong, specifically on ornate woodwork, however they are sluggish on big areas and disposal gets unpleasant. Power washing knocks off chalk and dirt however will not offer you a trustworthy profile for major coverings. Needle scalers concentrate power into small footprints and tiredness operators on bigger surfaces. Dry blasting still runs fastest on big steel outdoors, however the added cost of containment, dust collection, and clean-up narrows that space quickly in town.

Equipment setup that conserves time

Every rig looks a little bit various, but the core parts remain. A compressor with truthful output, a blast pot with water injection, hardened blast hose in good condition, a deadman manage you trust, and a choice of nozzles. For mobile sandblasting, I choose a 185 to 300 cfm compressor for basic work. If you intend on running bigger nozzles or working heavy industrial finishes consistently, 400 cfm and up provides you room to breathe.

Nozzle option matters more than individuals believe. A 3/8 inch venturi nozzle at 100 psi can eat paint at a great clip, but you might overshoot on delicate surface areas. Stepping down to a 1/4 inch nozzle at the very same pressure decreases mass flow and helps with control. Fan nozzles shine on concrete, developing even passes that checked out 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. Too little, and dust sneaks 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, overflow, and the rules that follow you to the job

Dustless blasting decreases air-borne dust, however you still need containment discipline. Poly sheeting, zipper doors, flooring edge dams, and foam blocks that wedge under limits have conserved more headaches than any nozzle trick. For little property jobs, ground cloths and a damp vac keep outdoor patios and flower beds tidy. For retail fronts, construct a short-term wall with spring poles and clear plastic so foot traffic can see, and place walk off mats beyond the zone.

Runoff is the peaceful issue that becomes loud if neglected. You are mixing water with finishes that can include lead, old coal tar, or just years of automobile residue. Cities get nervous about storm drains for great reason. Plug close-by drains with inflatable balls or weighted socks. Use a low profile berm to keep water relocating to one regulated 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 websites, coordinate with ecological personnel for waste characterization. It is common to capture and check a composite sample before disposal.



OSHA and PPE guidelines do not go away because there is water in the mix. Eye defense, hearing defense, blast hoods, gloves, and steel toes belong on website. Breathing protection still applies. While water tears down dust, trace aerosols and atomized pollutants exist at the nozzle and in splashback. In a closed area, set negative air with HEPA filtration and test air quality. The reduced spark threat of dustless blasting is useful in hydrocarbon environments, but it is not a free pass in classified areas. Follow the website's hot work and allow requirements.

Process circulation that prevents rework

List 2 of 2

- Pre inspect and check a small area to choose media, pressure, and water rate, then record settings.
- Mask and secure, consisting of glass, gaskets, components, and nearby automobiles, then set containment and overflow controls.
- Blast in regulated passes, top to bottom, overlapping by one third, pausing to verify profile and adhesion with tape pull or replica tape as applicable.
- Rinse or vacuum residue instantly, then dry with air motion or heat if required to avoid flash rust.
- Coat or seal within the suggested window, frequently the very same day on steel and within 24 hours on masonry.

An adhesion test informs you more than a tidy looking surface. On repaints over old masonry paints where not all material can be gotten rid of, a simple crosshatch tape test assists validate strength. On steel, step profile during the first hour, not at the end. Adjusting mid task is inexpensive. Re blasting is not.

For metal surface cleaning where flash rust is an issue, specifically in humid conditions, add a rust inhibitor to the rinse or the blast water. Test compatibility with your guide. Lots of epoxies tolerate common inhibitors, but some zinc abundant primers do not. If you see flash rust forming within thirty minutes at rest, think about dehumidification or a portable heating unit to drive down relative humidity in the work zone.

Case applications by setting

Homes benefit most when the goal is to erase years of unappealing coatings without damaging the appeal below. Consider a brick cottage smothered in five layers of acrylic. A balanced dustless setup will remove loose paint, expose sound brick, and leave a moderate tooth that accepts a breathable masonry sealant. On wood decks, dustless blasting opens grain, strips stain, and avoids the fuzz that sanding can leave on weathered planks. Keep standoff broad, and leave railings for finer tools to avoid scalloping.

Retail fronts request for speed and discretion. An owner wants the sign legible by noon and the sidewalk safe by night. Dustless blasting can clear bubble gum gray from concrete and leave a CSP 2 to 3 texture that grips a clear sealant or anti slip additive. If graffiti crosses glass and painted metal, switch to very fine glass media at low pressure and utilize brief, mindful 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 isolation strategies keep operations pleased. For instance, 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 erected containment, utilized garnet for profile consistency, ran negative air, and set up night shifts. Each frame area, roughly 200 square feet, took three hours to strip and inspect. We coated within the same shift with a wetness tolerant epoxy. Production never ever stopped, and QA found no particle outside the enclosure.

Weather, water, and the clock

Water assists you, then attempts to harm you. It cools the work, controls dust, and makes neighbors pleased. It also extends drying times and can [surface preparation services](#) conceal residue if you rush. In cool, damp weather, plan for more air movement. Portable fans and a lp heater 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. Watch for pale streaks on steel that suggest salts. If present, rinse completely and retest.



On steel, a practical recoat window for many guides sits within the same day when blasting dustless. On masonry, sealants and finishings often choose 12 to 24 hours of dry time. Check the item information, then inspect your surface with a moisture meter. Concrete can hold water in the near surface area. If a finish fails due to trapped moisture, it costs days, not hours.

Pricing that keeps you profitable and fair

Contractors often price by square foot, then discover that coverings vary wildly in stubbornness. A basic residential paint removal on smooth brick might pencil at 3 to 5 dollars per square foot, including containment and clean-up. Business shop concrete preparation frequently lands at 2 to 4 dollars per square foot for open slabs with easy access. Industrial steel with intricate geometry and coatings can run from 6 to 12 dollars per square foot or more. Gain access to, height, lead handling, and after hours work add to the overall. For mobile blasting, do not forget mobilization time, water sourcing if on site supply is limited, and disposal costs for invested media and rinse water. A great quote sets a site see with a test patch. Bring two media types and invest 20 minutes showing assumptions.

Small errors that cost big

Let a drain go unguarded and you purchase a brand-new relationship with the city. Miss a gasket or a bearing surface on a tool and you inherit an upkeep bill. Blast too aggressively on soft stone and you scar a century of patient weathering in a minute. Press dry time and an overcoat lifts like a bad sunburn. The fix is basic in theory. Decrease to establish, record your settings, and give the substrate what it needs, 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 pick a contractor or construct your own capability

If you are working with, request for specifics. Do they provide true dustless blasting, or are they running a wet ring around a dry stream at the nozzle. The latter assists, but it is not the very same. Ask for a test location and a plan for overflow. Look for insurance that covers blasting work, not just basic liability. For tasks with potential lead paint, ask how they deal with RRP or similar lead safe rules. They must describe containment and waste streams without hesitation.

If you are constructing an in house capability for ongoing industrial surface preparation, invest in training before you buy the biggest compressor on the lot. Send a manager and an operator to a reliable blasting and coverings course. Discover to determine profile, test salts, and read a finish data sheet. Buy a rig that matches your most typical work, not your most ambitious outlier. A 185 cfm compressor and a mid size pot will manage the majority of facility upkeep. Rent approximately larger gear as needed.

The bottom line for homes, shops, and plants

Dustless blasting is not a magic technique. It is blasting with much better manners. Done well, it brings the efficiency of sandblasting to places where dust utilized to be an offer breaker. It opens concrete without acid, cleans metal without a whiteout, and strips paint without hot streaks and clouds. It lets on site sandblasting live conveniently next to a pastry shop or inside a food plant without breaking trust.

The finest results come from combining the method with judgment. Use the gentlest media that still satisfies the spec. Step the surface you create, not the one you think of. Include your work as if a next-door neighbor is viewing, because someone constantly is. Dry what you wet, coat what you clean, and leave a website that looks like an expert crew cared about the details. Whether you are bring back a home exterior, refreshing a retail entryway, or turning over a safe, correctly profiled tank, dustless blasting done ideal gives you a cleaner path from issue to finish.

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.