If your once-crystal windows now look like they've been breathing in a cold morning, you're dealing with misted double glazing. It's common, it's annoying, and it slowly eats away at both energy efficiency and curb appeal. I've worked on hundreds of windows and patio doors across homes old and new, and the pattern is always the same: a fine haze, then beads of moisture between the panes, then a persistent fog that never wipes off because it lives inside the glass unit. The good news is, most of the time you don't need new frames. The trick is understanding what has failed, and choosing the repair that makes financial and practical sense.

What "misted" actually means

Double glazing isn't just two pieces of glass with an air gap. A sealed unit is constructed with spacer bars at the edges, a drying agent hidden inside those spacers, and a continuous perimeter seal. That airtight cavity is often filled with argon or a similar inert gas to reduce heat transfer. When that perimeter seal fails, outside air sneaks into the cavity. Air carries moisture, the desiccant inside the spacer becomes saturated, and the cold interior face of the glass turns that moisture into condensation. Once that cycle starts, the fog will come and go with the weather, then settle in permanently.

The important distinction: a misted unit means the sealed glass unit has failed, not necessarily the uPVC, timber, or aluminium frame. I've replaced countless glass units in perfectly healthy frames. Frames last decades with care; perimeter seals typically don't, especially if they bake in sun or sit in standing water.

Why misted units matter beyond looks

People often tolerate a bit of cloudiness for months, even years. Then winter arrives and rooms feel draughty despite windows being shut. The energy penalty isn't dramatic in a single unit, but across several windows you feel it. The cavity no longer insulates properly. Argon disperses, the desiccant is saturated, and heat moves more freely from inside to outside. **Double Glazing Repairs** You also get cold spots that encourage internal condensation on the room side of the glass, which invites mould on nearby plaster or silicone. If glare reduction or solar control glass was specified, that benefit drops too.

There's also the practical headache. A misted kitchen window means you can't see whether the kids are in the garden. A clouded patio door kills a good view. Buyers notice. On surveys I've attended, even two or three misted panes end up as negotiation points.

Can you fix blown double glazing, or is replacement the only route?

The phrase "blown" is a trade shorthand for any failed sealed unit. And yes, you can fix blown double glazing, but the repair focuses on the unit, not the fog itself. Drilling holes into the glass to vent and "dry" the cavity is sometimes marketed as a miracle cure. It can clear moisture for a while, and in very specific settings it buys time, but it doesn't re-establish the original hermetic seal or the insulating gas. You're essentially turning a sealed unit into a ventilated one. Expect the fog to return and thermal performance to lag.

A proper repair replaces the failed double glazed unit within the existing frame. That means:

- Measuring the existing glass thickness and cavity accurately to match the original or improve it.
- Ordering a new sealed unit with the right spacer width, low-E coating if present, and gas fill if required.
- Swapping the unit, reusing or replacing glazing beads and gaskets, and bedding it properly to avoid water pooling at the bottom edge.

For the rare frame that's warped, rotten, or corroded, you may need more than glass. But in at least 8 out of 10 jobs I see, the frame is salvageable. That's where "Double Glazing Repairs" come into play as a cost saver: you get a new sealed unit without paying for new sashes or frames.

Why seals fail in the first place

A perimeter seal doesn't just give up one day; it gets pushed around by time and environment.

Sun exposure cooks the edge seal and makes it brittle. On south or west elevations, I see failures a few years earlier than shaded faces. Poor drainage in the frame's glazing channel lets water sit, and seals don't like baths. Movement plays a role too. Buildings settle, frames expand and contract with heat, and sashes flex when you slam them. Every microshift tugs on the edge seal.

Manufacturing quality matters. Units with warm-edge spacers and well-bonded dual seals tend to last longer than budget stock with a single thin seal and aluminium spacer bars. After installation, sloppy glazing that crushes or pinches the unit can begin the countdown to failure from day one. Even the best unit, poorly fitted, can mist in three to five years.

Diagnosing: mist, dirt, or surface condensation?

Before you call anyone, confirm the problem lives inside the cavity. If you can wipe it off, it isn't misted. Morning dew on the outside pane after a clear night actually signals good insulation, not failure. Condensation on the room side in winter often points to high indoor humidity: lack of ventilation, drying clothes indoors, or a powerful shower without extraction. Misted double glazing, by contrast, shows drop-like patterns or a milky bloom trapped between panes, unchanged by cleaning. In strong light you might notice mineral staining where water has dried inside multiple times.

Edge fogging that comes and goes with weather is a typical early sign. If you notice a rainbow sheen or granular smear inside the unit, the desiccant has migrated or broken down. That unit is on borrowed time.

Options on the table

Homeowners usually face three routes when exploring Misted Double Glazing Repairs: quick fixes, unit replacement, or full window replacement. Here's how they stack up in real life.

Quick fixes, including cavity drilling and venting, are the bandage solution. I've used them in commercial settings where downtime mattered more than longevity, and in rental properties where a few months' clarity was needed before a planned refit. Expect short-term improvement, lower cost, and reduced thermal performance compared with a proper sealed unit. Suitable when budgets are tight or when the window is due for replacement soon anyway.

Sealed unit replacement is the workhorse option. It restores clarity and performance at a fraction of replacing the entire window. It's sensible for uPVC frames in good condition, aluminium systems with healthy thermal breaks, and timber sash windows without rot. The price varies with size, glazing spec, and access, but most homeowners are surprised how affordable it is versus full frame replacement. It also lets you upgrade to better glass: low-E coatings, warm-edge spacers, and gas fills that may beat the original performance.

Full window replacement belongs to cases where the frames are failing. In timber, probe the lower rails and sills for rot. In uPVC, check for severe warping, failed reinforcement, or crumbling gaskets. In aluminium, look for corrosion and blown thermal breaks. If hinges, locks, and frames are all tired, spend the money once and get modern, well-sealed units. It's more disruptive but pays back in energy savings, comfort, and resale confidence.

What a proper repair involves

On a service call, I start with a survey. That includes measuring pane widths and heights to the millimeter, noting the spacer width and any coatings, and checking beading type: internal or external. Internal beading is more secure. External beading can still be fine but needs good security clips.

If the unit carries a low-E coating, you can verify with a simple detector or a reflection test. Matching matters to maintain uniform appearance and performance across a room. I also check drainage holes along the frame bottom. Many misted units sit above clogged tracks. Cleaning and, if necessary, clearing those drainage paths helps the replacement last longer.

Ordering the glass is straightforward once you've got the numbers. For homes with cold corners or big panes, I prefer warm-edge spacers and argon fill as a baseline. The cost difference compared with plain aluminium spacers is modest, and the thermal benefit is real. If a room roasts in summer, consider a solar control coating. For street-facing rooms, laminated inner panes add security and sound reduction without changing the look.

On installation day, I remove the glazing beads carefully, release the failed unit, and inspect the setting blocks at the bottom. Those little blocks control load, alignment, and drainage. If they're missing or squashed, I replace them and set the new unit at the right height. The unit should never sit in standing water. I then refit or replace gaskets and reinstall the beads, tapping them in evenly to avoid twisting the frame. On timber windows, it often involves fresh putty or modern glazing compounds with neat sightlines.

A clean around the perimeter, a check for even gaps, and a wipe-down later, and you'd never know the unit was changed.

Costs, timelines, and expectations

Prices vary by area, but a small to medium sealed unit replacement commonly sits in the low hundreds per window, rising with triple glazing, special coatings, or awkward access. Oversized patio doors and shaped units cost more. If a company quotes something that sounds like a new window price for just the glass, ask for a breakdown. You should see line items for glass spec, labour, access, and any hardware.

Lead times for made-to-measure units range from 3 to 10 working days in normal conditions. Busy seasons and special glass can stretch that. Fitting often takes less than an hour per unit once the glass is on site. In occupied

homes, I plan room-by-room to limit disruption, laying dust sheets and keeping any sealant smells brief.

Expect a warranty on the new sealed unit, typically between 5 and 10 years from reputable suppliers, provided the frame is sound and the drainage is not compromised. Keep the invoice; it matters if you move or if another unit fails later.

When DIY makes sense, and when it doesn’t

If you’re a competent DIYer with the right glazing suckers and you know your beading style, swapping a standard, small, internally beaded unit is possible. The hazards are real though: glass edges are razor sharp, and a mis-measure by 3 or 4 millimeters can leave you with an expensive pane that doesn’t seat correctly. External beading can introduce security concerns if not re-clipped properly. Timber putty work is its own craft; a bad putty line looks rough and can leak.

For large panes, upstairs units, or any situation with structural glazing bars or trickle vents to route around, a professional earns their fee. I’ve corrected more than a few DIY attempts where a unit sat directly in the water track, failed again the next winter, and took the blame for what was really a drainage and packing mistake.

CST Double Glazing Repairs
4 Mill Ln
Cottesmore
Oakham
LE15 7DL

Phone: +44 7973 682562

The vent-and-dry method in detail

You’ll hear services promise to cure misting by drilling micro-vents in the glass, flushing with alcohol, and installing tiny valves. I’ve used it in a pinch, and it has a place. It can clear the fog relatively quickly and avoid full replacement for a season or two. But set expectations: you now have a ventilated glass cavity, not a sealed one. On cold days, the thermal performance will lag, and some units develop dust streaks inside over time since the cavity is open to air movement.

The method shines when the frame cannot be opened easily, or where a bespoke pane has an extreme lead time. It also helps when matching glass across a listed building requires paperwork, and you want clarity in the meantime. As a permanent fix, it’s second best to replacing the sealed unit.

Avoiding repeat failures

If you’re paying for Misted Double Glazing Repairs, spend a moment on the small details that extend the life of the new unit. Frames need to breathe. Those little drainage slots at the bottom are not decorative. Keep them clear of paint, spider silk, and garden debris. On uPVC, a soft brush and a rinse every few months helps. For timber, don’t seal the exterior so heavily that water can’t escape; it will find a way inside instead.

Resist the urge to block trickle vents. I know they whistle in a gale, but ventilation keeps indoor humidity in check. High humidity accelerates condensation on the coldest surfaces, even good glass. In kitchens and baths, run extraction longer than you think necessary. Ten to fifteen minutes after cooking or showering is a good habit.

Check your curtains and blinds. Heavy drapes that sit flush against the glass trap cold air and moisture. Leaving a small gap, even two or three centimeters, helps air circulate and reduces the temperature drop at the pane.

Upgrades worth considering during repair

A failed unit is a chance to improve performance room by room. Low-E coatings are standard now, but not all coatings are equal. Some prioritize heat retention for cold climates, others temper solar gain for sunny exposures. A living room with afternoon sun might benefit from a selective solar control pane that feels noticeably cooler in July without turning the glass a deep tint.

Warm-edge spacers reduce the cold bridge at the glass perimeter. You’ll see fewer condensation beads around the edge in winter. For homes on busy roads, laminated glass with an acoustic interlayer can knock a few decibels off traffic noise. Laminated also boosts security; it holds together even if cracked, buying time against forced entry.

If a room is particularly cold, increasing the cavity width from, say, 12 to 16 millimeters can improve insulation, though there’s a point of diminishing returns beyond roughly 16 to 20 millimeters where convection within the cavity kicks in. Your installer can balance these options with the constraints of the existing sash depth.

Common pitfalls I’ve seen

Two mistakes cause most repeat fogging calls. The first is poor packing. If the unit sags onto the lower frame edge, water sits against the seal. The second is sealing over drainage paths with silicone. It looks tidy for a week, then water backs up and the unit bathes from below. I once revisited a bay where every unit failed in six years. The beads were airtight, the silicone flawless, and the drainage holes were completely sealed. We opened the tracks, repacked the units, and the replacements are still clear eight winters on.

Another pitfall is mismatched glass. Fit a bright new low-E pane next to an older, less reflective pane, and the difference shows at certain angles. In a mixed-age house it may be fine. In a set of patio doors, it can look odd. Good notes during the survey avoid surprises.

A simple homeowner’s check before you call

Use this quick, practical checklist to decide your next step.

- Wipe both sides of the glass. If the fog vanishes, it’s surface condensation, not a failed unit.

- Look for moisture inside the cavity in varied weather, morning and evening. Persistent internal mist points to a failed seal.
- Inspect frame drainage slots and gaskets. If water pools, clear the path. Note any perished rubber.
- Note beading position. Internally beaded frames are easier to secure and repair discreetly.
- Take rough measurements and a photo of any labels or spacers. Installers can quote faster with details.

Choosing the right repair partner

Experience beats a bargain in glazing work. Ask how they measure, what spacer and seal system they supply, and whether they'll check and correct drainage and packing during installation. Request a written spec, not just "double glazed unit." It should include glass thicknesses, cavity width, spacer type, any coatings, and gas fill. A short, clear warranty statement helps if issues arise later.

Beware of anyone pushing drilling as a cure-all, or, at the other extreme, claiming you must replace frames that are plainly sound. A balanced fitter will show you the pros and cons, price both options, and let you pick based on budget and timeframe.

Real-world examples and what they teach

A Victorian terrace I worked on had timber sashes Double Glazing Repairs with four misted units scattered between two rooms. The timber was solid, paint in good order, but the perimeter seals on the units had failed after roughly 12 years. We replaced just the glass, kept the glazing bars original, and added warm-edge spacers. The homeowner reported the rooms felt less chilly in the evenings the same week.

In a modern apartment block, south-facing uPVC windows on the eighth floor misted consistently across a whole stack. The cause wasn't bad glass, but clogged drainage in the outer frames caused by building dust during a façade clean. We replaced the worst units, cleared the channels, and the remaining borderline units stabilized. That job reminded everyone that maintenance matters as much as materials.

At a suburban house with a big garden view, the owners tried a vent-and-dry service to get through summer events. It worked visually, but winter brought edge chill and more internal condensation on the room side. They then opted for full unit replacements with low-E and a slightly wider cavity. The improvement in comfort was immediate and the view stayed sharp through frosty mornings.

The bottom line on Misted Double Glazing Repairs

If you're staring through foggy panes, you aren't alone, and you don't have to live with it. Most of the time, you can fix blown double glazing by replacing the sealed glass units and keeping your existing frames. That approach restores clarity and thermal performance at a sensible cost. Quick venting fixes can buy time but won't put the genie back in the bottle. Full window replacement has its place, especially for tired frames, but it's not automatically required for misting.

Treat the repair as a chance to tune your home's comfort. Choose sensible upgrades where they matter, ensure proper drainage and packing during installation, and keep vents and tracks clear. Done right, your new units should stay crystal clear for years, even on those cold mornings when the garden looks its best and you finally have a window worthy of the view.