Homeowners usually discover misted glazing on a chilly morning, when the sun hits the windows and reveals a soft bloom of condensation trapped between the panes. It looks like fog, but you cannot wipe it away, and it never quite matches the weather outside. That persistent haze is the signature of a failed double glazed unit. If you are weighing up your options, from quick fixes to full replacement, it helps to understand what failed, why it failed, and what a proper remedy looks like.

What misting actually means

Double glazed units are sealed sandwiches: two panes of glass separated by a spacer bar, the cavity filled with air or an inert gas like argon, then sealed around the perimeter. Inside the spacer is a desiccant, a drying agent that mops up moisture left during assembly. The seal keeps outside air out and the argon or dry air in. When the seal breaks down, outside air brings moisture into the cavity and the desiccant slowly saturates. Once it is full and can no longer absorb water, the moisture condenses on the cooler glass and appears as mist.

Misting is not a surface problem. If you can touch the fog with your fingers and wipe it off, that is ordinary surface condensation. If the haze sits behind the inner pane, unreachable, that is a blown unit. The phrase sounds dramatic, but it covers everything from a hairline breach in the seal to a visible failure around the spacer. You cannot un-wet the desiccant or reseal the unit in situ with any permanence, which is why Misted Double Glazing Repairs usually point to replacing the sealed unit rather than tinkering with the frame.

Why units fail

In my experience, failures cluster around a few causes. The most common is age. Even good seals drift toward failure after 10 to 20 years, particularly if the units face strong sun. UV light heats the edge seals every day, then the evening cools them again. That thermal cycling works the sealant like a concertina, and small flaws grow.

Manufacturing quality matters too. Not all spacer and seal combinations age the same way. Warm-edge spacers made from composite or stainless steel move with the glass better than old aluminum spacers, which can transfer heat and stress to the sealant. Low iron glass and coated panes do not make a unit more fragile on their own, but the whole system is only as sound as its weakest edge seal.

Installation plays a part. If glazing packers are missing or used badly, the unit can pinch in the frame. A frame that deflects because the brickwork settled can distort the glass edges. I once inspected a south-facing bay window where a packer had slipped, leaving the unit sitting directly on the frame. The seal failed on the lower edge within three years. A final culprit is water management. If drainage channels in a uPVC frame clog with debris, water collects at the bottom of the glazing rebate. The unit sits in a bath after every rain, and the bottom edge fails first.

Can you fix blown double glazing?

Short answer: you can address symptoms, but the only reliable fix is to replace the sealed unit. That does not mean you must replace the entire window. Most modern windows, uPVC and aluminum especially, are designed to accept new double glazed units as drop-in replacements. Timber windows often can too, though you might need glazing beads or putty work to suit the original style.

You may see services that drill tiny holes into the unit, vent the cavity, rinse it, then plug the holes with vents. This can clear trapped moisture temporarily, and on a holiday let or a garage window you might accept that trade. In homes where you want durable thermal performance, those vented fixes do not restore the insulation value, the argon gas, or the original warranty. The fog often returns because the unit is still open to ambient air and humidity, just in a more controlled way.

If you are tempted by DIY resealing kits with silicones or tapes, keep in mind that the bond you see is not the only seal in a unit. Factory-made units use a primary seal around the spacer, then a secondary seal that completes the structural bond. A dab of mastic on the outside edge might slow an obvious leak but it cannot dry a saturated desiccant core, nor can it hold gas.

So, can you Fix Blown Double Glazing? You can replace the failed glass unit inside your existing frame, and that is the fix that restores clarity and performance.

When replacement units make sense, and when they do not

Replacing a blown sealed unit is usually a straightforward decision if the frame is sound. On a typical uPVC casement window, swapping a unit requires new glazing packers and beading removal, then a new double glazed unit built to the same size and spec. You keep the hinges, handles, locks and frame, which saves cost and avoids disruption. For most households, that is the sweet spot of Double Glazing Repairs.

There are times when a replacement unit is only half the story. If the sash is warped, the hinge screws are stripped, or the frame is bowed from decades of sun, a new glass unit might seal tight on day one and then stress again within months. Wooden frames with rotten glazing rebates and aluminum frames with failing thermal breaks call for judgment. If water collects inside the frame after every rain, solve the frame drainage before inserting a new unit, or you will chase failures.

Matching your replacement unit to the original or upgrading it

A common mistake is to order a like-for-like unit by dimensions alone. You want a match for spacer type, cavity depth, coatings, and safety requirements. If the original was toughened or laminated for a low sill height or a door, you must replace it with the same safety glass. Building regulations in the UK, for example, require toughened glass below specific heights and in certain door zones. An installer should measure the visible glass size, the rebate depth, the overall unit thickness, and the spacer width. They will note the presence of low e coatings and gas fills where relevant.

Often the fogged unit is your chance to upgrade. If you have a two-decade-old air-filled 20 mm unit with a metal spacer, you can install a modern argon-filled 24 mm unit with a warm-edge spacer and a soft-coat low e pane, provided the frame can accept the thickness. That upgrade can shave measurable heat loss from a cold room. On a recent terrace retrofit, replacing six misted units with argon filled, 1.0 to 1.2 W/m^2K center-pane units dropped the bedroom’s night-time heat demand by roughly 10 to 15 percent, verified by smart thermostat data. Do not expect miracles, but you will feel the difference near the glass on a winter evening.

Be mindful of solar gain. If the window faces west and bakes in summer, you might ask for a low e glass with a modestly lower solar factor rather than the darkest solar control coating. Go too far with solar control and the room feels dim. Fine tune based on orientation, shading, and how you use the space.

What a good survey looks like

When I visit a client with misted panes, we walk the whole elevation rather than staring at a single window. I check:

- The frame condition, looking for bowing, rotten sills, and clogged drainage slots.
- Beading type and whether it comes out internally or externally.
- Consistency of unit sizes and any odd one-off sizes that might delay ordering.
- Signs of stress, such as cracked corners, slipped packers or stress patterns in the glass under polarised sunglasses.

I measure the visible glass, then the overall rebate to confirm the unit thickness. A double check with calipers on a removed bead helps avoid surprises. If there is a question about low e coatings, a small handheld detector can identify which face carries the coating. It is a five-minute test that saves rework.

The replacement process, step by step

Glazing beads are levered off, packers noted and reused or replaced, the old unit removed, the rebate cleaned, and the new unit bedded on fresh packers and gaskets. On a typical uPVC casement, two installers will change a standard living room window in under an hour if there are no snags. Timber is slower, especially if you must renew putty or external beads and allow paints to cure. Daylight changes everything here: you want a still, dry day, not sleet and wind.

A common pitfall is packer placement. Packers do more than hold the glass square. They line up the unit so the sash closes evenly, support the weight near the hinge points, and keep the unit out of any water in the rebate. The wrong packer positions can cause the sash to bind, the lock to misalign, or CST Double Glazing Repairs Misted Window Repairs the seal to sit in standing water. Small details matter.

What it should cost

Prices vary by region and by glass specification. As a broad UK guide, a small casement replacement unit might start around £80 to £120 supplied and fitted for a basic 24 mm argon and warm-edge unit, rising to £150 to £250 for larger picture windows. Toughened, laminated, or shaped units add cost. Triple glazing, if your frame allows, pushes it higher. Complex access, such as third-floor elevations without internal removal access, adds labor.

On timber windows, budget for additional time to prepare rebates and finish beads, especially if you want the exterior repainted to match. I have seen a single timber sash with four small panes come to more than a large uPVC unit simply due to careful paint and putty work.

Energy performance and comfort, beyond the brochure

A sound double glazed unit does two comfort jobs. First, it reduces heat loss, which you see as a lower U value on the glass spec. Second, it lifts the surface temperature of the inner pane so you feel less radiant chill. That second effect is the one you notice most on your skin. A low e coating with argon fill keeps the inner pane closer to room temperature, and curtains or blinds do not stick with condensation as easily.

If you live near a busy road, acoustic laminated glass can help. It will not make a bedroom silent, but it can knock five to ten decibels off the harshest frequencies. That option adds weight, so your hinges and handle gear must be checked. If your existing friction hinges are tired, take the chance to replace them. It is much easier to do that while the beads are off and the unit is out.

Warranties, paperwork, and what they really cover

Many double glazed units come with a manufacturer warranty, often 5 to 10 years against seal failure. Installers may offer their own guarantees on workmanship. Do not confuse a frame warranty with a glass unit warranty. If your window supplier from years ago covered frames for 20 years, that does not mean the sealed units are covered for the same duration. If you have a FENSA or Certass certificate from a house sale, it confirms compliance at installation time, not a lifetime performance promise.

When you order replacement units as part of Double Glazing Repairs, ask the installer who stands behind the glass and for how long. Keep the paperwork with your house records. It helps at resale and makes future replacements smoother. I once saved a client the cost of two units because we found the original glass supplier and the units were still under a 10-year seal failure warranty with two years left.

Avoiding repeat failures

If the same window keeps misting, something structural is wrong. Look for clogged frame drainage, distorted sashes, wrong packer positions, or a frame that moves because the building settles. In older properties with flexible timber frames, I often specify butyl glazing tapes along with proper packers. The tapes help maintain a weather seal without over-stressing the edge of the unit. On south and west elevations, consider slightly shaded external treatments to moderate the daily temperature swing on dark frames. Black or anthracite foil uPVC in full sun runs hotter than white, and the seals appreciate any reduction in thermal cycling.

Keep weep holes clear. A quick seasonal check with a pipe cleaner or a small cable tie is enough. On timber windows, keep paint and putty in good condition so water sheds rather than creeping into the rebate. Small rituals, big dividends.

Edge cases and tricky situations

Occasionally the fog is not fog. I have seen internal blinds between panes of glass fail and shed fine dust, which sticks to the inner faces and mimics haze. Those are specialist units, and you must replace like-for-like. I have also seen condensation appear to be inside the unit when it was actually trapped between a clip-in astragal bar and the inner pane. Remove the bar, clean, refit with fresh tape, and the problem disappears.

Roof lights behave differently. They face the sky, see larger temperature swings, and sometimes collect more condensation on the inner pane from steamy kitchens or bathrooms. If a roof light mists internally between panes, replacement is still the remedy, but access and weatherproofing details matter more. Budget extra time and plan for safe working at height.

For heritage homes with slim timber sashes, standard 24 mm cavities may not fit. Slimline double glazing with 12 to 16 mm overall thickness exists, using vacuum units or inert gas with advanced coatings. They cost more and require careful fitting, but they can deliver a meaningful boost without thickening glazing bars. Expect a longer lead time and choose an installer who has done slimline retrofits before. The margin for error is narrow.

What you can do before calling a glazier

If you are unsure whether a unit is truly blown, dry the room, run a dehumidifier for a few days, and see if the fog persists between the panes. Try the fingertip test: if you cannot touch the condensation to wipe it, it is inside the unit. Check the frame drainage holes. If they are blocked, clear them and monitor whether the lower edge of the unit clears up during dry spells. It will not cure a failed seal, but it may stop water pooling in the frame and buying you time before full replacement.

When you call an installer, have rough sizes ready. Measure the visible glass width and height, not just the outer frame, and note any patterns like Georgian bars or leadwork. If there are safety glass stamps, jot them down. A clear request speeds the quote and avoids a second visit just to measure.

How long you can wait

A misted unit is not an emergency unless the glass is cracked or safety glazing is missing where required. The biggest day-to-day penalty is visual and comfort related. Moisture in the cavity slightly reduces insulation, and persistent damp can etch mineral marks on the inner faces over time. If you leave it for years, those mineral marks can make the glass look dirty even after the unit is replaced because the deposits were inside and permanent. If the window is a key view or a main living room, I tell clients to schedule replacement within a few months. Small secondary rooms can wait longer without much penalty.

Environmental considerations

Scrapping glass feels wasteful, and clients sometimes ask about recycling. Most failed units are broken down: glass goes to aggregate or re-melt depending on local facilities, spacer bars and sealants are separated where practical, and timber beads get disposed of or reused. The embodied energy of a modern replacement unit is not trivial, but the energy savings in a heated home typically offset the manufacturing energy within a couple of winters, especially where the old unit had oxidised spacers and no low e coating. If you upgrade only the failed units on a façade, you still get a comfort and efficiency bump without the waste of full frame replacement.

Choosing a tradesperson

Reputation travels fast in glazing. Look for an installer who will measure carefully, discuss glass specifications rather than offering a single default, and who is willing to show you packer placement during fitting if you are curious. If your project includes several units, ask for one to be fitted first and checked for beading fit, sightline, and condensation performance before ordering the rest. Not every job allows that sequencing, but when it does, it lowers risk.

I also look for small habits: installers who bring spare beads and gaskets, who photograph packer positions before removal, and who use glazing suckers properly rather than prying glass with screwdrivers. These details correlate with fewer callbacks.

A practical path from mist to clarity

When you see fog between panes, start with a clear diagnosis. Confirm it is inside the unit, not on the surface. Check the frame and drainage so you are not replacing glass into a hostile environment. Order replacement units matched to your safety and performance needs, with a chance to upgrade coatings and spacers if the frame allows. Fit them with care, with correct packers and beading, and keep the paperwork.

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

Phone: +44 7973 682562

Misted Double Glazing Repairs are not about miracle cures. They are about restoring the sealed unit that does the heavy lifting of comfort and efficiency. With a sound frame, a well specified replacement unit is a tidy, durable fix. If the frame is suspect, address the root cause first. Either way, the result should be simple: clear views, warmer rooms, and windows that do their job quietly in the background.