



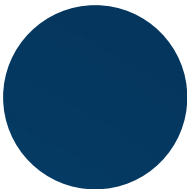
iMist™ Domestic Project Information Document



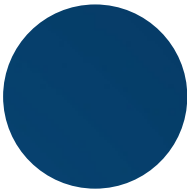
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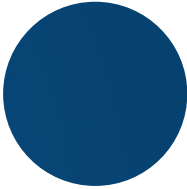
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iMist™ hold 15+ audited and approved accreditations



We're nationwide with a fleet of iMist™ liveried vehicles



You're only a 2 hours from an iMist™ employee

About iMist™ Fire Suppression

iMist™ fire protection systems are cost-effective, environmentally friendly, discreet and allow greater adaptability than the traditional water mist and sprinkler systems on the market.

The iMist™ system has been rigorously tested and can be installed in almost all domestic property types. iMist™ are one of only few companies that keep everything in-house from manufacturing, and design, through to installation, final sign-off and annual servicing - **all with no hidden costs or surprises.**





1.1 System/Design Approval

iMist™ always recommend that all areas, as required by BS:8458-2015 Clause 6.4 are protected. Any deviation/relaxation from this requirement will be either client, or AHJ driven and iMist™ therefore exclude all liability in this regard.

Please note: It is the client/end user's responsibility to ensure the design, system layout and installation criteria have been approved by all AHJ's and approving bodies and ensure to pass all iMist™ drawings on for final sign off before the project commences.

We clarify that iMist™ domestic system utilises 12lpm when 2 nozzles are activating. There is a legal requirement for the property owner to source water authority approval, when installing third party systems. It is our understanding that a system that utilises less than 12lpm does not require notification, however, this is something iMist™ recommend you to raise with your water authority.

By accepting this quotation and subsequent installation, you confirm that written approval has been received confirming the risk category (Domestic), the extent of coverage required, and that the maximum number of nozzles required to activate simultaneously (2) meet the AHJ's requirements.

The client/end user needs to confirm if the building to be protected, is registered on the database of British Listed Buildings and if any restrictions to this classification may impose, obtaining all necessary permissions from any interested conversation bodies before works, are programmed to start and undertake any and all additional/preparatory works required in this regard.

1.2 Payment

iMist™ Payment Terms are 50% on order, 40% on first fix completion and the balance of 10% within 7 days following final commissioning and system handover. Note: The completion certificate will not be issued until all outstanding payments have been made.

Customers who have the
iMist™ System installed

6,000

We have only a **qualified, experienced** team of iMist™ engineers.



1.3 Contract

Once instruction has been received you have legally entered into a contract with iMist™ and agree to iMist™ Terms and Conditions.

Please take note of the payment terms you have agreed to, as failure to meet these may result in the order being cancelled with no recourse to iMist™.

All system layout, designs, changes or variations to the design shall be verified and approved by iMist™ and all AHJ's prior to being actioned. Any contract arising from this proposal shall be managed by iMist™ from the local office for all land-based supply to the client. All works, supplies, procurement and quality issues shall be the responsibility of the iMist™ Engineering Management Team.

The client must ensure that they, or their representative, is available to sign relevant paperwork at each visit from an iMist™ employee. iMist™ accept no liability once the customer has signed to say they are happy with the installation and that the system has no leaks.

1.4 When you are ready to proceed

Once a site visit has been completed, and no amendments are required to the submitted proposal/price, you will need to notify the iMist™ office. They will send across a **Customer Supply Agreement** for you to read and sign. The supply agreement lays out all of the Terms and Conditions whilst working alongside iMist™ and lists what is expected from you in order for the iMist™ installation to take place. By signing the document, you confirm that you understand that you are responsible for gaining written approval of the iMist™ proposal from your Building Control Officer, Fire Engineer, Fire Officer etc. By signing, you confirm that you understand it is your responsibility to provide clear access and routes for iMist™ to run their pipework, that you understand that first fix installation must be completed before any ceilings go up (unless pre-arranged with the iMist™ office) and all second fix works must be completed at decoration stage and not after. If you are part of the Construction Industry Scheme (CIS) please notify iMist™ at the order stage.

Please also send iMist™ an email confirming evidence of approval from the local building control officer/AHJ's stating that they have checked the proposal from iMist™ Ltd and are happy for iMist™ Ltd to proceed with the proposed installation.

Once you have signed the contract, or made a deposit payment; you have entered into a contract with iMist™ Ltd based on the content of this document and iMist™ Ltd Terms and Conditions and agree that you will be bound by them. Please read the iMist™ Terms and Conditions and if necessary, take independent legal advice on its content. Once iMist™ Ltd have received a signed copy of the document the order will be processed and the first fix visit can be organized. Please make us aware of any areas that the pipe will be exposed (such as concrete ceilings, listed ceilings, asbestos ceilings, decorative ceilings, etc.)



1.5 Additional Abortive Visits/Call-Outs

Please note that if a project requires additional visits whether caused by an abortive visit or more time is required to be spent during the installation of the project (for reasons beyond iMist™ Ltd direct control) then additional costs will be incurred. Any additional visits required over the number stated in this quotation will be charged on a per visit basis.

An abortive call out could be issued if the property is not ready as detailed in the supplied [Domestic Works in Association](#) Handout.

Section 2: System information

2.1 iMist™ System Description

The iMist™ STX12 system is a pump-based system, comprising a pump unit c/w Integral control panel and closed head discharge nozzles. The nozzle spacing and flow rates, are based on successful Annex C fire testing. The iMist™ system provides a very effective form of fire suppression using high pressure water mist. The high pressure, in combination with calibrated discharge nozzles, produces extremely small water droplets which make fire suppressing extremely effective.

The main components of the system are as follows:

- An electrically operated pump unit
- A water supply filtration system (strainer)
- Inlet and outlet isolation valves
- Power loss alert buzzer c/w 24hr back-up battery
- Integral audible water flowing alarm
- Volt-free contact
- Ceiling-mounted nozzles



STN12 Nozzle

The system is based on using 'closed' type nozzles and is designed as a wet pipe system, and as such the pipework is permanently charged with water at town's main pressure. In the event of a nozzle operating, the water flow is monitored and after a short delay, the pump starts. Water is discharged as a fine mist only through the activated nozzle(s). Each nozzle is fitted with a fast response bulb which when burst, will allow water to discharge from the open nozzle only, other nozzles in the vicinity may operate depending on the fire size, up to the maximum design number of 2.

Each nozzle is precision machined and assembled into a slimline white escutcheon to mimic a spotlight. Please note: that in compliance with BS:8458, our system provides an integral alarm (in the pump unit), and an output for general alarm signalling. **Note:** General alarm system/ signalling is excluded, and if required, must be provided by others.

Nozzles are positioned to provide optimal coverage. If there is a possible clash between an obstruction and a nozzle, the obstruction must be moved to a new position.



2.1 STX12 Pump Unit and Water Supply

The pump unit comprises a motor and single positive displacement pump with suitable switchgear to control the system.

It is essential that the iMist™ domestic pump receives a minimum of 12lts per minute. Due to 8458 requirements, where the mains water supply connection serves only the water mist system, the flow rate required is 13.8lpm at min 1bar and max 4bar pressure.

iMist™ recommend the installation of a 50 micron filter positioned in the supply pipe before the final lever ball valve within 1m of the iMist™ pump unit location.

Where the mains water supply connection serves both the water mist system and the residential occupancy supply, the main incoming supply to the building should be capable of providing flow rates in accordance with the recommendations of the British Standard (BS: 8458) which are:

- The operation of an automatic priority demand valve; or
- **For Domestic Installations, the flow rate recommended (12 lpm) plus at least 25L/min**



The Domestic Pump Unit specifications:

Length	Height	Depth	Weight
500 mm	400 mm	300 mm	37.2 kg

Note: the pump must be floor mounted on a secure base and have a minimum clear space for installation of hose connections/valves of: 700mmL x 800mmH x 500mmD

Note: Your attention is drawn to the water regulations [7-9] 6), which might require a greater minimum flow rate.

Note: The feed to the water mist pump must not form a 'dead leg'. The check valve must be positioned a max. of 100mm from the break in point, in accordance with Water Company requirements and supplied iMist™ schematic detail.

The water companies in the UK will not guarantee the flow and pressure characteristics available from the local town's main. If it is not possible to deliver the required flow and pressure at pump location, then your plumber must install a WRAS approved Solenoid Operated Valve/Priority Demand Valve (PDV) at the position located on the iMist™ 'Domestic Unit Towns Main Water Supply Schematic'. The valve will divert all available water for firefighting purposes.

Given its function, the PDV will also ensure that any future reduction of the flow and pressure will not adversely affect the effectiveness of the iMist™ fire suppression system.

Under no circumstance should third party equipment be electrically powered by the iMist suppression system electrical cabinet. This will need to be independently power sourced in accordance with BS7671 (18th Edition) Wiring Regulations and the equipment manufacturers guidance.

A WRAS approved single check valve must be installed at the two locations shown on the iMist™ Domestic Unit Towns Main Water Supply Schematic.

One of the check valves ensures that when operating, the iMist™ pump cannot draw water from the domestic system pipework in the building and the other check valve prevents any water from the fire suppression pipework flowing back into the potable water supply.

Installed hydraulic (water) supply to the system

Hydraulic (water) supply pipe material	Cu	Cooper
Isolation valve (lever)	BSP	3/4"
Min. feed pipe diameter (tbc by plumber)	mm	22
Required flow	lts/min	13.8
Min. Available pressure	Bar	1
Max. Available pressure	Bar	4



N.B.:
iMist™ Limited requires the CUSTOMER to check and confirm that all of the prerequisites comply with all of the above recommended values.

2.2 System Commissioning

The iMist™ STX12 system shall only be commissioned by an iMist™ engineer. We include a single commissioning visit, but not for the cost of any non-UK Mainland travel or transportation. Following client demonstration and handover, an iMist™ Completion Certificate would be issued for the project.

2.3 Installation

It is iMist™ Ltd responsibility to arrive on site on the dates arranged with an iMist™ office. If required, iMist™ Ltd operatives will attend a site induction and are then responsible for the installation and delivery of iMist™ products for both 1st fix and 2nd fixes/testing and commissioning.

Section 3: Future Steps

3.1 After the Installation Is Complete

Following the completion of the installation of the iMist™ system i.e. the pump is now live, the customer has been deemed to have “taken ownership” of the system and should ensure they have read and fully understood their responsibilities addressed within the terms and conditions they agreed to. iMist™ Ltd accept no responsibility should any leaks or damage occur after this time. Should any defects or leaks be found after this date then it would be the client/client representative's responsibility. The client must ensure they have adequate insurance cover for this eventuality.

As the system is intended to preserve life, iMist™ recommend that the end user perform regular visual checks in order to make sure that the system is functioning correctly and that nothing has been done that could impact on its operation.

Please be aware that should any nozzles be painted or tampered with in any way then the iMist™ Ltd warranty is immediately void. In addition, should any of the iMist™ Ltd products including but not limited to the pump unit, hoses or nozzles be moved, damaged, obstructed or interfered with in any way then the iMist™ Ltd warranty is instantly void and the customer will bear all responsibility for any costs as a result of claims, damage or disruption.

Please note:

- Nozzle positions on ceiling will take priority over all other ceiling mounted fixtures such as lights, passive detection, air grills, air conditioning/heating systems, etc.
- Please ensure that the Works in Association Handout, at the back of this quotation is read thoroughly, understood, and communicated to any third-party contractors carrying out the pre-install works to avoid any delays on-site, and possible charges for abortive iMist™ Ltd visits.
- Once this contract has been completed, the client must understand that the pump unit must never be rocked, or touched by anyone other than an iMist™ Ltd operative.
- All quotations are subject to a site survey.

3.2 Servicing

The iMist™ system has a 12-month manufacturers Parts and Labour Warranty period from completion of installation and making live. It is a condition of this warranty that the iMist™ system is serviced by iMist™ Ltd.

iMist™ Ltd service their products annually, and therefore the client must provide iMist™ Ltd with the contact details for the end user.

Should the annual service not be completed on time, then the warranty of the iMist™ system would be void. If the project is undertaken by a contractor, then it is assumed that the contractor will advise the end user on the iMist™ system, hand over all iMist™ related information to them and request they contact the iMist™ office to register their contact details.

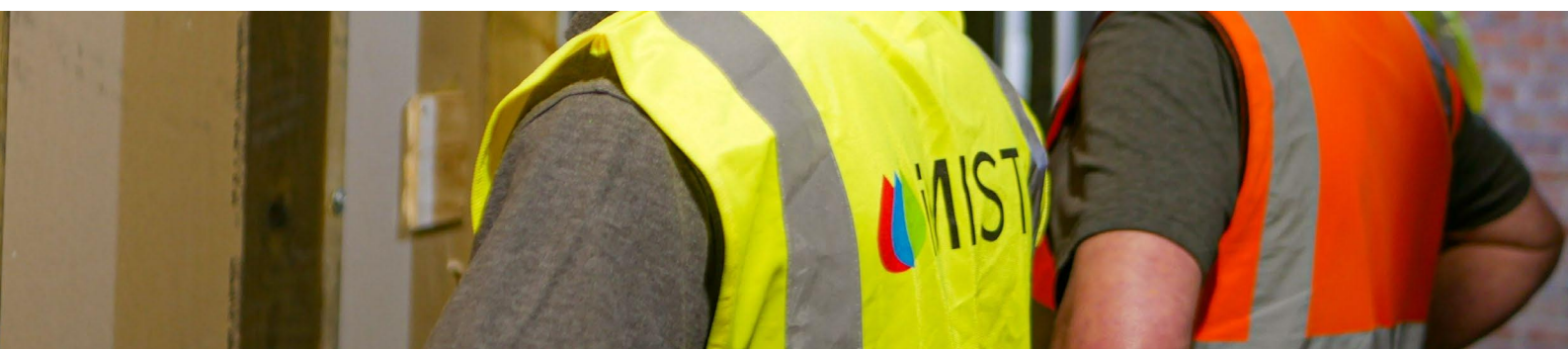
The iMist™ Service Department will be pleased to provide a separate quotation for annual servicing of the system.

3.3 False System Activations

iMist™ Ltd accept no responsibility for any false activations of the system. This includes but is not limited to rocking of pump unit, cleaning/painting/damage to nozzles, tampering/damage of hose and acts of God (inclusive of acts of Terrorism/Earthquakes etc.).

Any activations which are not as a result of a genuine fire condition must be covered the client's own insurance policy. For clarity, iMist™ Ltd take no responsibility or liability for "False Activations" of any type.

After commissioning and sign-off by the client, or their representative, or when iMist obtain a signature of a sign-off by someone deemed to be the client, or the client's representative, iMist have no liability or responsibility to repair, or exchange property damaged in the event of a false activation.



Section 4: Site Information

4.1 Working Commitments

This quotation is based on all work being carried out on a continual basis during normal working hours i.e. 8:00am to 4:30pm Monday to Friday. This quotation excludes any allowance for overtime or weekend working, which if required will be costed at iMist™ standard overtime rates and an additional instruction will be required before works are commenced.

4.2 Barrier Tapes/Signs

Provision of barrier tapes, and/or signs, where application to segregate dedicated work areas from entry by unauthorised persons, to be provided by the client.

4.3 Programme

Please provide a construction programme for the project. If a programme is not available, please confirm the required first and second fix installation periods together with the proposed completion/hand over date. Please advise ASAP any changes to the programme/dates as this could impact on iMist™ installation attendance. Note: enough time must be allowed for iMist™ to complete the first fix installation before the ceiling installation commences.

4.4 Ceiling Temperatures & Pipework

It is the clients responsibility to advise iMist™ of any areas where the ceiling temperature could exceed 38°C. In any areas identified to iMist™ where the 38°C threshold could be exceeded then 93°C (green colour) bulbs will be fitted. The client/end user will need to provide dual trace heating, and thermal insulation (including power supply, and power supply monitoring) of water mist pipework run in any areas that may be subject to temperatures below 4°C.

Note: iMist™ will not accept liability for any spurious activations due to excessively high ceiling temperatures acting on the bulb.

Please confirm at the outset of the enquiry, where any areas iMist™ pipework will need to run exposed. i.e. where it cannot be positioned behind a 30min fire barrier.

4.5 Access/Egress

Provide continuous unrestricted access/egress for the duration of all phases of the installation program.

4.6 Certification

Confirm special certification over and above the industry site standard CSCS card, that our operatives may be required to enable them to work out this project e.g. DBS checks.

4.7 Information

Upon acceptance of this contract, it is the responsibility of the client to supply iMist with the relevant bodies' information. This is to include but is not limited to; on-site first aider, contractor, architect, Building Officer, etc. as applicable.

4.8 Parking

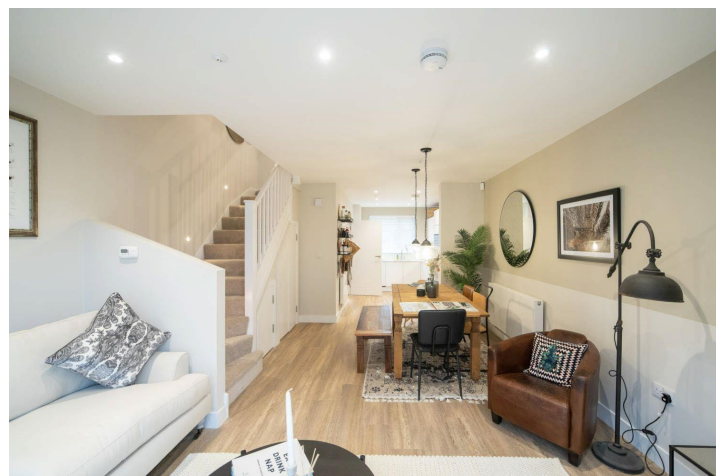
Client to provide local parking, free of charge, for the duration on the contract.

4.9 Asbestos Register

If there is an Asbestos Register for the building, under the Control of Asbestos Work Regulations 2002, you have a legal responsibility to provide us with a company, and the cost/installation period could be affected by the contents.

4.9 Water mist alarm

Where a water mist system has been installed for the protection of vulnerable people, the client must ensure that the water mist alarm is transmitted as a confirmed fire signal to an alarm receiving centre, or other permanently/staffed location.



Section 5: Third-Party Requirements/Works in Association

5.1 Damage Liability

iMist™ Ltd accept no liability once the customer has signed to say they are happy with the installation and that system has no leaks. After commissioning and sign off by the client or their representative, or when iMist™ Ltd obtain a signature of sign off by someone deemed to be the client or the clients representative, iMist™ Ltd have no liability or responsibility to repair, exchange property damaged in the event of a false activation.

It is the client's responsibility to cover any damages to iMist™ Ltd products by a third-party or themselves. Should any interference to the iMist™ system eventually lead to damages to the property then it would not be iMist™ Ltd responsibility to cover the cost. The client must let all parties involved know about the severity of damaging the iMist™ system/pipework and their responsibility should it be damaged in anyway.

Should there be any damage to the property or possessions iMist™ Ltd accept no liability higher than the value of the contract. The total price for this contract is the quoted amount of the latest quotation.

The contract is held between iMist™ Ltd and the party that paid the first invoice amount. Should the quotation be for numerous units then iMist™ Ltd would only be liable for a price that would be the entire quoted amount in this document divided by the number of units.

iMist™ do not drill holes in ceilings to bring out hoses. If we do carry out these works, it would be as a gesture of good will. iMist™ accept no responsibility or liability for any sub-sequential or related damages. Note: no holes will be drilled in 'lathe and plaster' type ceilings.

Please find the Works In Association overleaf

This will detail the requirements needed from homeowners, as well as electrical and plumbing requirements needed for the iMist™ water mist fire suppression system to function.



Homeowner Requirements

Please ensure you read over this information thoroughly to ensure everything is ready for the installation of the fire suppression system. Please provide the latest drawings in PDF format. NB: Any changes to the layout must be confirmed to iMist™ in writing as soon as possible.

Provide suitable access to all equipment to enable installation by our iMist™ engineers - this includes any ceiling levels over 2.5m AFFL.



Ensure a floor level base is ready for our pump installation (including any finished floor coverings).

Undertake all builder's work that may need doing before our arrival including: making holes in structural elements, lifting/replacing carpets, lifting/cutting/replacing floorboards, taking down ceilings, chasing walls and/or drilling 25mm holes for hoses, or cutting of 76mm holes in ceilings for iMist™ nozzles.

Supply and install any required pipe sleeves and fire stopping by utilising a compatible fire rated sealant & ensure any fire compartment divisions are maintained.

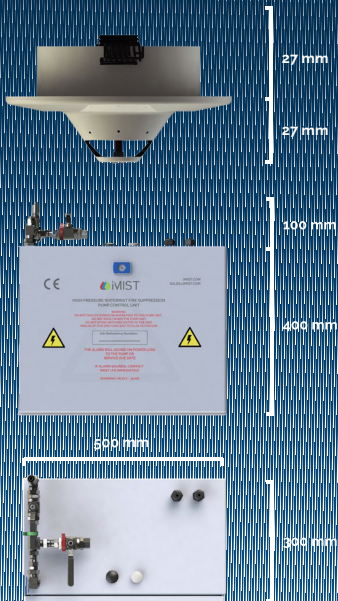
Move any furniture necessary to enable clear access and provide all necessary temporary sheeting.

Vacate all required areas to enable pressure testing of installed pipework. iMist™ will liaise with site personnel to agree testing regime/timing, as we will need attendance at testing and commissioning times.

All iMist™ pipework must be within the warm interior of the building. Any areas identified as being at **risk of freezing** (i.e. could fall below 4°) you must provide dual trace heating and thermal insulation, including power supply and monitoring. **Note:** This is not included.

Product Dimensions

	Length	Height	Depth	Weight
Pump	550 mm	400 mm	300 mm	37.2 kg
Nozzle	76 mm Ø	27 mm visual, 22 mm above.		
Pipe	Various	22 mm at the largest point.		



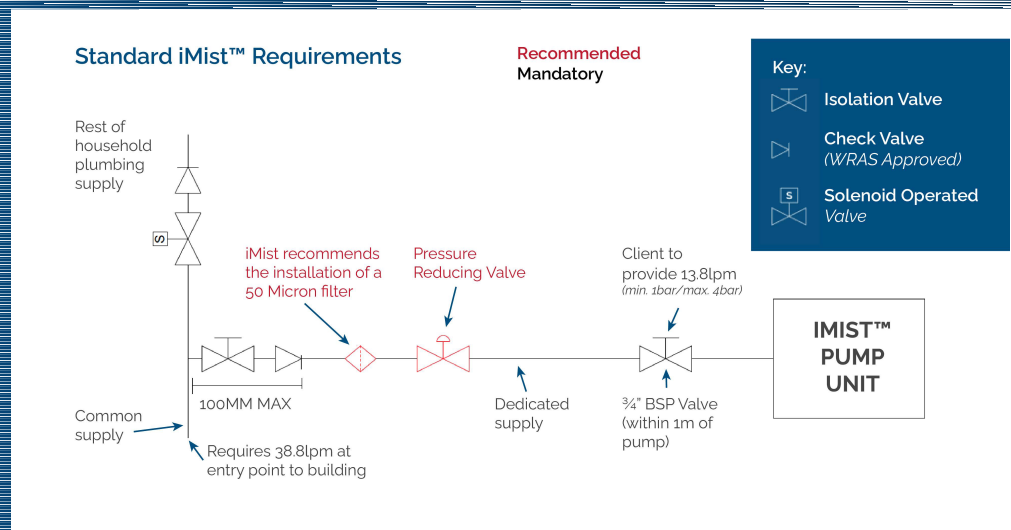
Plumbing Requirements

Please ensure you show this information to your plumber so the correct water supply is installed.

Provide mechanical supplies in accordance with the details below. Namely a dedicated water supply for fire-fighting purposes capable of providing a min. 13.8lts/min at 1 bar min/4 bar max pressure (terminating at 3/4" BSP connection within 1m of pump).

If the feed to the iMist™ pump is provided from a domestic booster pump, please confirm the maximum booster pump pressure to our engineers. (You may need to install a pressure limiting valve set to 4 bar max). The power supply to any domestic booster pump should be taken from the live side of the building supply, if supporting the iMist system™ - before any circuit breakers (Non-RCD).

The water supply to the iMist™ pump shall include WRAS approved equipment as per the schematic:



If the available water supply flow to the pump is below 13.8lts/min, and if you cannot achieve 38.8lpm at entry point to the building, you must ask your plumber to install a priority demand valve (PDV) on the domestic occupancy feed, to ensure 13.8lpm is always available for firefighting purposes. Your electrician will also need to provide a power supply and connect the PDV to our pump to signal it to close when the pump starts. Provide free use of an adequate local water supply to facilitate hydraulic testing of the pipework.

