



## Fatrafol PVC Membrane Maintenance Manual



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# Introduction |

Fatrafol membranes require regular maintenance to ensure the waterproofing system keeps performing at its peak and retains its properties in the long term.

Generally, each country has its own standards and rules for the correct maintenance of waterproofing systems and you must refer to these standards/rules to ensure the correct ongoing management of your waterproofing system.

This Fatra maintenance manual provides useful information on defining and implementing a routine maintenance plan for Fatra PVC membrane systems to improve the overall system efficiency over its life span. This document prepared by Fatra provides information to help you use and maintain Fatrafol PVC membranes and systems correctly. This information can be used as a foundation for preparing a more comprehensive and specific inspection and maintenance schedule to be drawn up by the Designer.

## General Information |

Fatrafol PVC membrane systems are formulated to withstand full exposure to the elements and UV rays and do not require coatings or any other surface protection, meaning the only specific maintenance this type of membrane system generally requires is standard inspection and cleaning.

## Maintenance Agreement |

The job of installing Fatrafol PVC membrane waterproofing membranes & systems involves specialist work, meaning specific expertise and equipment are required to lay and maintain the membranes correctly. Once the waterproofing system is signed off by Fatra the maintenance programme should be commenced by the owner including engagement of annual checks by a registered Fatra specialist in order to maintain warranties. Maintenance manuals should be checked and recorded with Fatra annually to form part of the fatra ongoing maintenance database ensuring all fatra systems are performing to their full potential.

## Access |

Access must be granted only to authorised personnel who have received suitable training and instruction and have been advised on the hazards and risks encountered on the area.

The location must always be accessed in full safety, in compliance with all current accident-prevention regulations. To avoid falls from heights, suitable collective protective equipment must be provided (parapets, scaffolding, etc.) and/or, as an alternative, personal protective equipment (anchor points, life lines, safety harnesses, etc.) must be used.

All personnel accessing the area must be issued with suitable PPE for the task at hand.



# Membrane Accessibility |

Fatrafol waterproofing membranes & systems can take foot traffic and be accessed for maintenance purposes only, either to be performed on the membranes in question and/or on any machinery and building services that might be found.

If the area is home to building services and machinery that require periodic maintenance or cleaning, we recommend producing walkways using concrete pavers laid on supports, or applying a specific Fatrafol Walkway Membrane with a structured surface to give all operators a safe preferential access route to follow.

When walking directly on the waterproofing membrane, special footwear must be worn, both for your own safety and to avoid damaging the membrane in question.

When using cleated sole footwear, we strongly advise you always to check that no fine gravel or other abrasive material has accidentally stuck to or become lodged in the sole before walking on the waterproofing membrane to avoid the risk of scraping or piercing the membrane in question.

If you are gaining access to an area in driving rain or if the area has pooling water or is icy, exercise extreme care to avoid the risk of slipping.

Never place anything heavy or sharp directly on the waterproofing membrane unless you have prepared a suitable protective surface first to set the object down on and distribute the load (such as wooden planks).

# Cleaning of Membrane |

Where necessary, the waterproofing membrane can be washed with water and a mild, non-foaming household detergent. Apply the detergent solution using non-scouring sponges, brushes or soft brooms, then rinse off with running water. Do not use solvents or other harsh products.

# Services & Machinery |

Building services and machinery installed in the area must be suitably positioned and integrated/ connected with the waterproofing membrane (plinths, supporting beams, etc.).

Building services and machinery must not sit directly on the waterproofing membrane and should instead be placed on bases with a suitable supporting surface designed to distribute the load correctly. In addition, the shape and material of the bases must be designed so that they do not damage the waterproofing membrane and/or the insulating panel underneath, where applicable.

Building services and machinery must not release or leak aggressive, polluting or damaging substances (liquids, solids or fumes) that might compromise the waterproofing membrane's performance.

In the event maintenance is performed on building services and on machinery, all work carried out while in the area must be performed with extreme care so as not to damage the waterproofing membrane and suitable temporary protective structures must be in place. Be careful not to spill substances or materials on the substrate that could damage the waterproofing membrane. In the event of accidental spills, all debris and/or leachate must be removed without delay and the waterproofing membrane must be suitably cleaned, where necessary using running water, and always acting in compliance with current safety and environmental standards.



If in any doubt, seek the advice of a Fatra approved specialist, who will be able to provide you with any information and support you may need.

When placing new building services or new machinery on the area, you are advised to call an approved Fatra Specialist first to avoid damaging the existing waterproofing membrane and ensure correct connection and sealing systems are put in place.

## Membrane Repair/Alterations |

In the event the waterproofing membrane is damaged accidentally, do not attempt makeshift repairs: always contact a Fatra approved specialist.

Do not apply bitumen membrane or any alternative membranes or sealants on Fatrafol waterproofing membranes without written confirmation from Fatra Australia.

In the event of an emergency requiring urgent action, you can perform quick and simple repairs using single-sided butyl adhesive tape reinforced with aluminium foil, cleaning the waterproofing membrane with water first. Please note that these are temporary emergency measures that are not designed to last, meaning you will still need to contact a approved Fatra Specialist to have the correct long-lasting repairs made.

In the event you are altering or extending the waterproofing membrane (e.g. to accommodate new services, changes to building, etc.), do not attempt makeshift measures and instead contact a Fatra approved specialist in good time.

Should any repairs or alterations be made without written confirmation of compliance from Fatra Australia all warranties will be voided.

## Periodic Inspection & Cleaning |

To ensure the waterproofing system keeps performing at its peak and retains its properties in the long term, it is good practice to inspect and clean the area at regular intervals.

The below table and forms summarises the inspection procedures and items which are divided up into:

- General inspections
- Specialist inspections

Other kinds of inspections and cleaning/maintenance work may be helpful/required depending on the specific case, or you may need to perform the listed work at shorter intervals. Consequently, the Designer or specialist will need to add to our guidelines accordingly.



# General Inspections |

General inspections	Interval	Performed By:	Notes
Clean leaf guards on drains	Six-monthly	Owner/manager (*)	To avoid them becoming clogged and limiting or compromising drain performance
Clean and eliminate any dirt (soil, sand, etc.) on the waterproofing membrane	Six-monthly	Owner/manager (*)	To stop a culture bed being created and promoting the growth of vegetation or micro-organisms
Clean and eliminate any debris or rubbish	As required	Owner/manager (*)	To stop foreign materials and rubbish damaging the waterproofing membrane
General visual inspection of the equipment installed on it to detect any evident issues (waterproofing, skylights, building services, etc.)	Six-monthly	Owner/manager (*)	To ensure any issues are reported promptly to the party tasked with performing the work
Clean and remove any vegetation growing in the area	Six-monthly	Owner/manager (*)	Fatrafol membranes offer good resistance to root penetration, but it is still advisable to stop vegetation growing and spreading

# Specialist Inspections |

Specialist inspections	Interval	Performed By:	Notes
Visual inspection of trims and metal Flashing	Yearly	Fatra Approved Specialist	Check fixings and check for leaks and corrosion.
Visual inspection of polyurethane sealing to pipes, post, terminations and the like.	Yearly	Fatra Approved Specialist	Check for leaks, adhesion and deterioration.
Visual inspection of waterproofing membrane, detailing and accessories connected to system.	Yearly	Fatra Approved Specialist	To detect any issues that might limit or compromise its performance
Visual inspection of underside of the substrate	Yearly	Fatra Approved Specialist	To detect any traces of water in infiltration or other issues

# Sample Inspection Checklist |



## Fatrafol Inspection Form

Facility:

Address:

Client:

Contact Name:

Maintenance Manager:

Fatra Approved Contractor:

Contact Name:

Year of Completion:

System (include all aspects of entire system):

Notes & Comments:

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Note: We have compiled this draft inspection and maintenance checklist for Fatrafol membranes by drawing on our knowledge and experience. Nonetheless, please understand that the instructions are given as a rough guide only. It is up to the Designer and Specialist Company to assess actual site conditions and determine what inspection and maintenance work is required



Inspection Carried Out By:

Signed:

Date of Inspection:

Next Inspection Date:

Visual inspections:	Pass	Fail (see notes)	Monitor (see notes)	Notes
General state of area				
Field Sheet Membrane				
Upturn Membrane				
Perimeter Membrane				
Skylight Detailing				
Mechanical Fixing System				
Fully Adhered System				
Thermal Insulation Panels				
Perimeter Trims				
Upturn/Termination Trims				
Drains				
Pipes/Post Detailing				
Walkways				
Safety System				
Silicone Sealant Terminations				
Silicone Sealant Pipes/Posts				
Pipes/Post Clamps				
Other .....				
Other .....				
Other .....				





## Specialist Inspection Form

Inspection Carried Out By:

Signed:

Date of Inspection:

Next Inspection Date:

Checks and work carried out:	Pass	Fail (see notes)	Monitor (see notes)	Notes
Clean grates on drains				
Clean surface				
Clean and remove debris and rubbish				
Clean and remove vegetation				
Other Work Carried Out				
Visual inspections:	Pass	Fail (see notes)	Monitor (see notes)	Notes
General state of area				
General state of waterproofing membrane				
Building services 1				
Building services 2				
Building services 3				
Trims/ ashing 1				
Trims/ ashing 2				
Trims/ ashing 3				
Skylights/domes				
Walkways				
Other .....				
Other .....				