

CREATING EFFECTIVE WATERPROOFING & DRAINAGE FOR INTERIOR WALLS



Using Oldroyd Xv clear, Xv20 and Xp on interior walls





Oldroyd cavity drainage membranes provide a simple and cost effective solution for dealing with damp and contaminated walls - above and below ground.

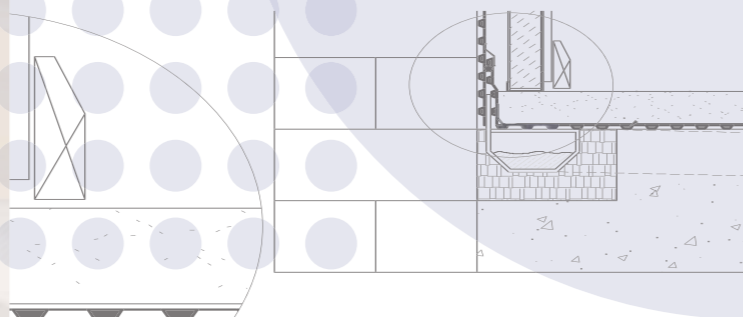
Oldroyd membranes are particularly suited for use in situations where the underlying substrate is too fragile or contaminated to allow the use of traditional waterproofing systems, for example:

- Salt-contaminated walls
- Walls contaminated by oil, bitumen, paint, etc.
- Walls constructed from soft bricks
- Stone walls
- Cob walls

Oldroyd membranes can also be used to save time and money by avoiding the costly surface preparation necessary before the application of other types of damp-proofing and waterproofing solutions.

In historic buildings, Oldroyd membranes are often specified as they are designed to divert moisture rather than holding it back - thus exerting less pressure on the underlying substrate. They also have the advantage of allowing walls to be returned to their original state at a later date - particularly when used in conjunction with a fast-track dry lining system. Below ground, Oldroyd membranes can be used to create a dry environment.

This brochure covers their use on internal walls - an approach which is particularly useful for basement refurbishments and diaphragm/piled walls. Information regarding the use of Oldroyd membranes on external walls as part of a basement waterproofing system can be found in the Oldroyd 'Foundations and Basements' brochure.



BARN CONVERSION USING OLDROYD Xp



Damp is a common problem in barn conversion projects for two major reasons:

1. Because barns were originally designed for agricultural use, little attention was usually paid to providing protection against damp during their construction.

2. Salt contamination is often a problem in barn floors and walls, particularly where barns have previously been used to house animals. These salts are often hygroscopic or deliquescent which means that they attract moisture from the atmosphere.

Oldroyd P is a popular choice for barn walls as it is designed to accept a plaster finish and can follow the natural contours of the barn walls.

OLDROYD CAVITY DRAINAGE MEMBRANES ARE EFFECTIVE FOR DOMESTIC AND LARGE SCALE APPLICATIONS



Basement conversion kitchen



Underground parking garage



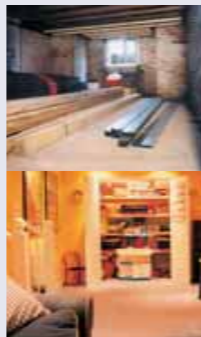
OLDROYD Xv clear

COVERS DAMP AND CONTAMINATED WALLS

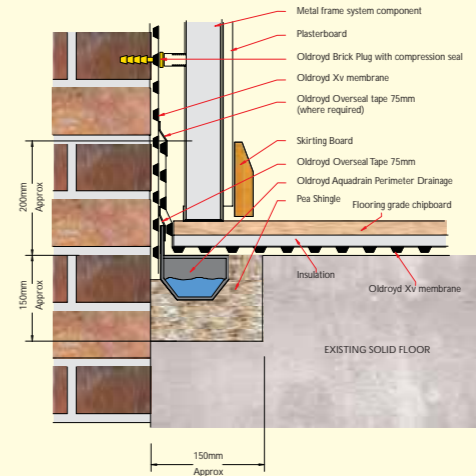
Oldroyd Xv clear provides an exceptionally fast and convenient method of creating dry walls and floors in new build and refurbishment projects. The membrane is attached to walls by means of special sealed fixing plugs, whilst on floors there is normally no need for any form of fixing.

Oldroyd Xv clear can be covered with plasterboard, dry lining, screed or a floating timber floor. If any free water enters the cavity behind the membrane (e.g. in basements), then an Aquadrain drainage facility leading to a sump and pump will need to be built in (see diagram opposite).

Oldroyd Xv provides a flexible barrier between the damp wall and the internal environment. Made from polypropylene, Xv clear benefits from Oldroyd's Multi-Layer Technology resulting in a membrane with much greater strength than normal studded membranes. It is easy to work with even at low temperatures, and its unique X pattern design makes it easy to apply around corners and details such as doors and windows.



THE FLEXIBLE, FAST AND COST-EFFECTIVE ANSWER TO PROVIDE DRY INTERIOR WALLS AND BASEMENTS



Typical basement waterproofing using Oldroyd Xv clear

KEY BENEFITS OF OLDROYD Xv clear

- Cost-effective, fast and safe installation. Made from polypropylene, it is easy to work with even at low temperatures.
- Unique design makes it easy to apply around corners and over footings.
- Consistent material thickness of membrane and stud gives great strength.
- Clear finish to ensure easy fixing.
- Fixings to fit the studs and finishing profile provide secure and neat fastening.
- Minimal preparation of substrate required prior to application.
- Multi-Layer Technology gives superior strength.
- For fixing instructions visit [www.fixoldroyd.com](http://www.fixoldroyd.com)

TYPICAL APPLICATIONS

- Covering damp and contaminated walls
- Basement conversions
- Barn conversions
- Ground gas protection
- Newbuild basements

The use of the Oldroyd Aquadrain Drainage System and a pump is recommended for below ground applications.

The Oldroyd Xv Clear system is particularly suited to waterproofing basements in older houses as it does not rely on the soundness of the underlying substrate for its effectiveness. The membrane is sealed to walls and ceilings by means of special sealed fixing plugs, whilst on the floor there is normally no need for any form of fixing.

Oldroyd Xv can be covered with plasterboard (using timber battens or the Fastframe Drylining System), screed, or a floating timber floor. A drainage facility, incorporating a sump and a pump, will need to be included as part of the system. The Aquadrain perimeter drainage channel may also be used to provide additional drainage at the wall-floor junction.

For a more eco-friendly solution, Oldroyd Xv Black can be used instead of Oldroyd Xv Clear. Oldroyd Xv Black contains between 56 and 70% recycled plastic.



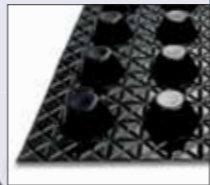
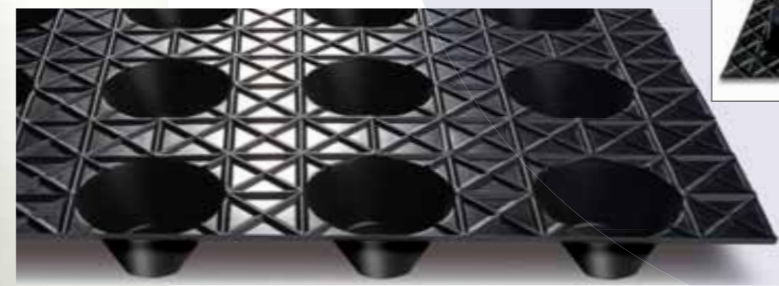
# OLDROYD Xv20

FOR LARGE COMMERCIAL BASEMENTS AND SIGNIFICANT WATER INGRESS

Oldroyd Xv20 is a large (20mm) stud-size cavity drainage membrane for waterproofing and drainage.

Oldroyd Xv20 benefits from large studs providing greater drainage and flow capacity than standard cavity drainage membranes. For this reason Oldroyd Xv20 is ideally suited to the waterproofing of large commercial basements.

Made from polypropylene, Oldroyd Xv20 is easy to use and is fully compatible with other membranes in the Oldroyd range. Oldroyd Xv20 incorporates Multi-Layer Technology resulting in a membrane with much greater strength than normal studded membranes, whilst the use of recycled material in the central layer benefits the environment.

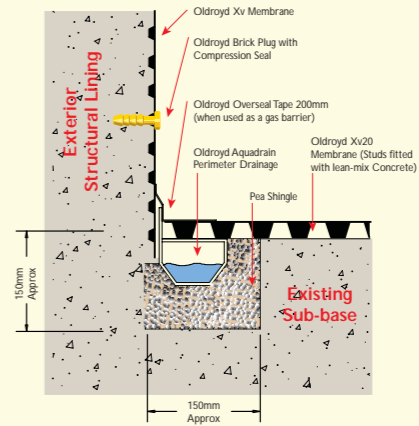


## THE 20MM STUD CAVITY DRAINAGE MEMBRANE

### TYPICAL APPLICATIONS

- Basement waterproofing (new build and refurbishment)
- Areas of high water ingress
- Waterproofing of contiguous piling, secant piling and diaphragm walls
- Ground gas protection

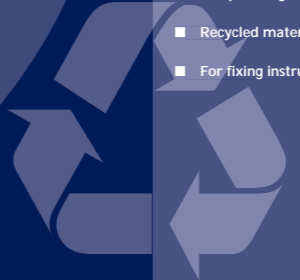
The use of a sump and pump is recommended for below ground applications.



### KEY BENEFITS OF OLDROYD Xv20

- Consistent material thickness of membrane and stud gives great strength.
- Suitable for applications with high flow rate.
- Unique design makes it easy to apply around corners and details.
- Recycled material in central layer.
- For fixing instructions visit [www.fixoldroyd.com](http://www.fixoldroyd.com)

Oldroyd Xv20 is manufactured from polypropylene. Combined with a unique, temperature-controlled manufacturing process, this produces an exceptionally straight, durable membrane. The patented "X" pattern embossed into the membrane makes it easy to cut and fold. This quality also allows for shrinkage movements frequently encountered when screeds are applied, thus minimising potential cracking problems.



# OLDROYD Xp

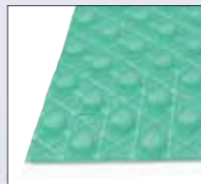
WHERE A **PLASTER FINISH** IS REQUIRED

Featuring the unique Oldroyd 'X' pattern, Oldroyd Xp is the new generation of studded polypropylene waterproofing membrane with a special mesh welded to one side. It is fixed to damp, contaminated walls using Oldroyd Plaster Plugs, with the studs facing the wall. This creates an air gap which allows the wall to breathe whilst blocking the passage of moisture. On the reverse side of the membrane the special mesh can be plastered onto, allowing a dry plaster finish to be achieved without risk of contamination from any damp or salts in the wall.

Oldroyd Xp can also be used on external walls to provide protection against penetrating damp.

Oldroyd Xp incorporates Multi-Layer Technology resulting in a membrane with much greater strength than other studded membranes. Oldroyd Xp can be used below ground, however we recommend that our technical department is consulted first.

Plasterboard can be applied over Oldroyd Xp using the dot and dab technique.



COVER DAMP AND CONTAMINATED WALLS - THEN APPLY A PLASTER FINISH

## TYPICAL APPLICATIONS

- Barn conversions
- Damp contaminated substrates
- Can be used in basements

The use of the Oldroyd Aquadrain Drainage System and a pump is recommended for below ground applications.



## KEY BENEFITS OF OLDROYD Xp

- Studded polypropylene membrane with a mesh welded to one side.
- Allows a dry plaster finish to be applied to internal walls.
- Creates an air gap which allows the wall to breathe.
- Consistent material thickness of membrane and stud gives great strength.
- Minimal surface preparation required prior to application.
- Can be covered with plaster finish or dot and dab plasterboard.
- For fixing instructions visit [www.fixoldroyd.com](http://www.fixoldroyd.com)

Oldroyd Xp is made from inert and stable, high density polypropylene 0.5mm thick, formed into a pattern of raised studs. Polypropylene mesh is heat welded in the manufacturing process to the surface on one side. The 4mm high studs face the wall and create air channels.

Oldroyd Xp is inert and highly resistant to water, alkalis, saline solutions and acids. It is also resistant to bacteria, fungi and other small organisms.

Oldroyd Xp is a permanent barrier to damp. Alternative brushed-on damp proof coatings depend on the structure for their performance. Sheet membranes bonded to the wall fall when they are punctured, and over a period of time bitumen coatings may break down owing to soil acids or movement.



EFFECTIVE DRAINAGE AND WATERPROOFING  
FOR INTERIORS

Oldroyd membranes are part of an integrated waterproofing and drainage system. The range of accessories for the system is extensive ensuring ease of use and enhancing functionality and effectiveness.

The range of accessories is constantly evolving, for further information on the use of Oldroyd membrane system accessories please visit the website: [www.fixoldroyd.com](http://www.fixoldroyd.com)



Overseal tape  
75 & 200mm widths

Fleece tape 110mm width

Double-sided sealing tape 30mm width

SYSTEM ACCESSORIES



Drainage channel with sliding top

Pipe collars 75 - 110mm

Plaster plugs

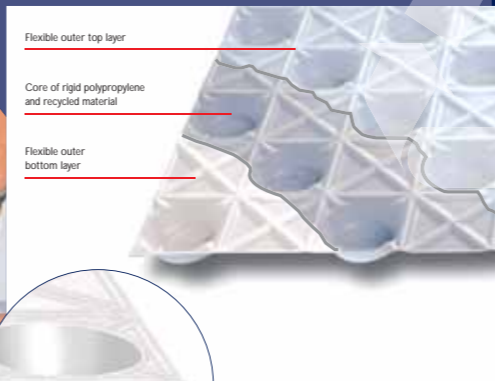
Brick plug and compression seal

Brick plugs

Gun plugs



THE BENEFITS OF MULTI-LAYER TECHNOLOGY



- Multi-Layer Technology™ featuring an inner core made from rigid polypropylene and recycled material, enhancing structural integrity and benefiting the environment.
- Unique 'X' pattern makes the membrane easier to work with, cutting and folding around complex constructional details and corners is much simpler than with conventional membranes.
- Available in a variety of widths and lengths.
- 50 Year Product Guarantee.
- The manufacturing process complies with NS-EN ISO 9001:2000 and European Environmental Management System NS-EN ISO 14001.

Through a microscope (left), the quality of the technology employed in the manufacturing process can be clearly seen in this cross-section.





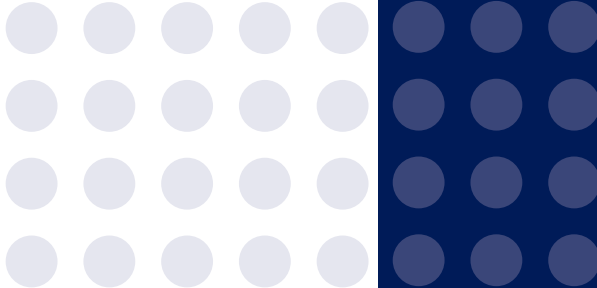
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We have invested a great deal of time and resources into establishing working practices to ensure a consistent and measurable quality in all of our products.

Our quality procedures are far in excess of the standards demanded by current regulations.

Care of the environment is of great importance to us. We have recently developed our new multi-layer technology to maximise the use of recycled material in manufacturing and environmental routines have been introduced and integrated into existing ISO systems.



The company possesses the following ISO Certificates:  
NS-EN ISO 9001:2000 and  
European Environmental Management System  
NS-EN ISO 14001



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