CREATING EFFECTIVE DRAINAGE, WATERPROOFING AND GROUND GAS PROTECTION **FOR FLOORS**

Using the Oldroyd Xs, Xv and Xv20 membranes for waterproofing and drainage solutions in floors

OLDROYD®

CREATING DRY FLOORS

OLDROYD®

Damp rising through concrete floor slabs is fairly common. Unlike other thin damp-proof membranes used during construction of concrete floors, Oldroyd Xs is made from tough polypropylene. For situations involving aggressive groundwater Oldroyd Xv and Oldroyd Xv20 can be used.

Oldroyd membranes are manufactured in Norway and are designed to provide an effective solution even in the harsh Scandinavian environment.

Oldroyd offers a range of innovative structural waterproofing products, which are all widely used in the waterproofing and construction industries in both new build and refurbishment situations. Oldroyd membranes can be laid directly onto contaminated floors with minimal preparation.

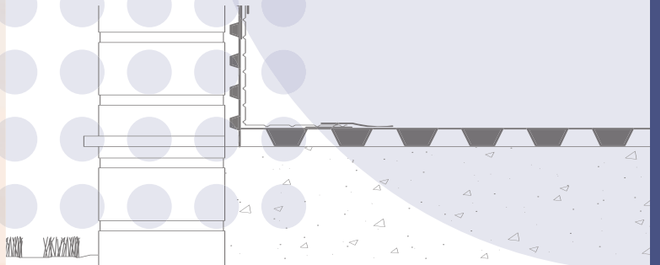
The membranes are made from tough polypropylene and can be laid on top of damp concrete floors. A wide choice of flooring types can then be laid on top, e.g. screeds, particle board, laminated wooden flooring.

The polypropylene construction makes Oldroyd membranes resistant to on-site damage and their patented "X" pattern makes them easy to cut and fold. It also allows moisture to move behind the membrane, and allows for shrinkage movement when screeds are laid on top.

DAMP-PROOFING SOLUTIONS FOR SOLID FLOORS

In refurbishment projects, the use of Oldroyd Xs can allow new finishes to be applied to existing floors without the need to resort to expensive excavation and re-laying of damp floors. Oldroyd Xs protects the flooring finish from dampness as well as contaminants such as oil, gas, and acids, making it an excellent choice for factory and warehouse conversions.

Where new floor slabs are to be laid, the use of Oldroyd Xs can allow the fast-track installation of floor finishes while the floor slab is still "drying down," allowing faster completion of projects. For aggressive groundwater situations the studded Oldroyd Xv or Oldroyd Xv20 membranes should be used instead. Call our technical department for details.



floor Design

TYPICAL OLDROYD XS FLOOR INSTALLATION

INDUSTRIAL ■ COMMERCIAL ■ SPORTS ■ RESIDENTIAL

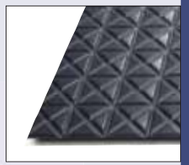
CREATING DRY **FLOORS**

OLDROYD Xs

Oldroyd Xs is a tough damp-proofing membrane that can be laid on top of damp and contaminated concrete floors, or newly laid floor slabs in above ground applications. A wide choice of flooring types can then be laid on top, for example screeds, particle board and laminated wooden flooring. Insulation can be used where required in conjunction with Oldroyd Xs, and the membrane is suitable for use with underfloor heating systems.

Oldroyd Xs is much thicker than conventional damp-proofing membranes and is manufactured from polypropylene. This makes it extremely strong and it has a high resistance to damage and chemicals. The patented 'X' pattern embossed into the membrane makes it easy to cut and fold around complex constructional details, and permits moisture to move and drain away behind the membrane. Oldroyd Xs also allows for drying shrinkage when screeds and concrete are laid on top, reducing the risk of cracking.

In refurbishment projects, Oldroyd Xs can allow new finishes to be applied to existing floors without the need to resort to expensive excavation and re-laying of damp floors. Oldroyd Xs protects the flooring finish from dampness as well as contaminants such as oil, gas and most acids, making it an excellent choice for factory and warehouse conversions.

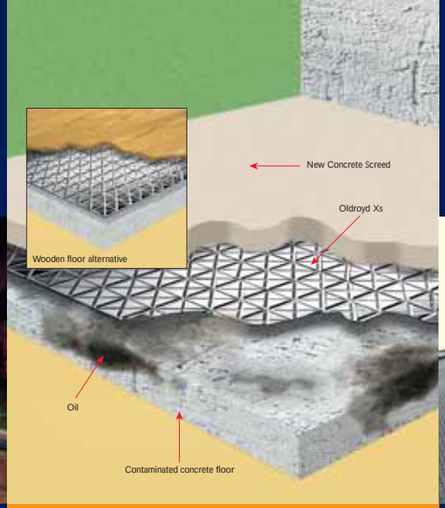


FOR **DAMP AND CONTAMINATED FLOORS** ABOVE GROUND

Oldroyd Xs was used in the conversion of a heavily contaminated steel works to a film and TV studio in Sweden.

TYPICAL APPLICATIONS

- Flooring refurbishment
- Damp and contaminated floors
- Fast track installation of wooden floors over newly laid floor slabs
- Ground gas protection

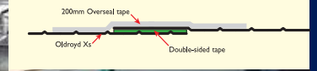


KEY BENEFITS OF **OLDROYD Xs**

- **A tough damp-proofing membrane that can be laid on top of damp concrete floors or newly laid floor slabs.**
- **Suitable for use on contaminated floors.**
- **Multi-Layer Technology gives superior strength.**
- **Recycled material in central layer.**
- **Easy to join using Oldroyd sealing tape.**
- **For fixing instructions visit www.fixoldroyd.com**

Xs

"Double Sealing" detail required when Oldroyd Xs is used as part of a ground gas protection system.



OLDROYD Xs ALLOWS FAST-TRACK INSTALLATION OF WOODEN FLOOR FINISHES OVER NEWLY LAID FLOOR SLABS AND DAMP AND CONTAMINATED FLOORS

MULTI-LAYER TECHNOLOGY™

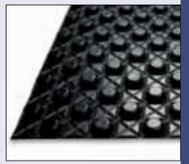
CREATING DRY **FLOORS**

OLDROYD Xv

Oldroyd Xv membrane is designed to be a highly effective solution to the problems encountered where limited surface water is present, for example in basements. Easy to apply, Oldroyd Xv provides an exceptionally fast and convenient way to provide a dry floor finish over damp or contaminated floors.

Oldroyd Xv can also be used as a gas barrier as part of an active or passive ground gas protection system. In this situation joints should be double sealed using Oldroyd Sealing Tapes (see diagram below).

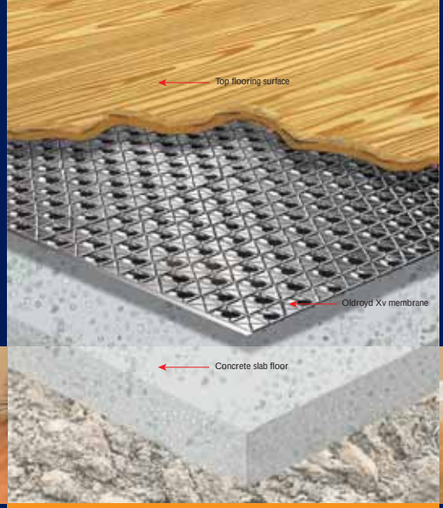
"Double Sealing" detail required when Oldroyd Xv is used as part of a ground gas protection system.



FOR **BASEMENT FLOORS** AND **GROUND GAS** PROTECTION

TYPICAL APPLICATIONS

- Basement flooring
- Ground gas protection
- Contaminated floors



OLDROYD Xv PROVIDES DRY FLOORS - ABOVE AND BELOW GROUND

KEY BENEFITS OF **OLDROYD Xv**

- **A highly effective solution to situations where surface water is present.**
- **Suitable for use on contaminated floors.**
- **Multi-Layer Technology gives superior strength.**
- **Recycled material in central layer (Xv black).**
- **Exceptionally straight and uniform for ease and speed of installation.**
- **Consistent material thickness of membrane and stud gives superior strength and durability.**
- **Easy to join using Oldroyd sealing tape.**
- **Suitable for ground gas protection.**
- **For fixing instructions visit www.fixoldroyd.com**

MULTI-LAYER TECHNOLOGY™ MLT

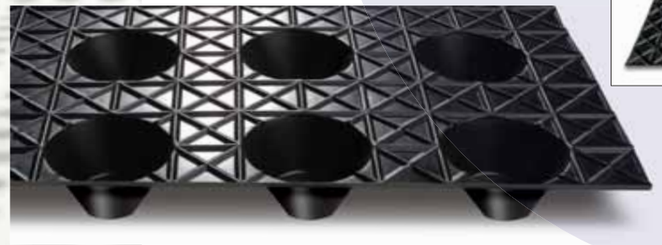
OLDROYD Xv20

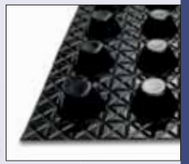
Oldroyd Xv20 is a cavity drainage membrane with 20mm deep studs for waterproofing, drainage and ground gas protection.

Oldroyd Xv20 benefits from larger studs providing greater drainage and flow capacity than standard studded membranes. Oldroyd Xv20 protects floor finishes from ingress of water and is also highly effective as a barrier for ground gases, providing it is double sealed (see diagram on page 6).

Made from polypropylene, Oldroyd Xv20 is easy to work with even when cold and can be folded and cut easily around complex constructional features. It is fully compatible with other membranes in the Oldroyd Membrane System.

CREATING EFFECTIVE DRAINAGE AND GROUND GAS PROTECTION FOR FLOORS

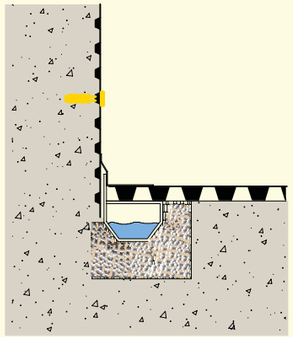




FOR BASEMENT FLOORS AND GROUND GAS PROTECTION

TYPICAL APPLICATIONS

- Below ground applications
- High water ingress
- Ground gas protection



KEY BENEFITS OF OLDROYD Xv20

- **A highly effective solution to situations where larger volumes of surface water are present or anticipated.**
- **Provides a gas protection barrier.**
- **Suitable for use on contaminated floors.**
- **Multi-Layer Technology gives superior strength.**
- **Recycled material in central layer.**
- **15 l/m2 air gap gives high flow capacity.**
- **Exceptionally straight and uniform for ease and speed of installation.**
- **Consistent material thickness of membrane and stud gives great strength.**
- **For fixing instructions visit www.fixoldroyd.com**

The 20mm stud CAVITY DRAINAGE MEMBRANE

MULTI-LAYER TECHNOLOGY™ MLT

OLDROYD®

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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