

Storage	Rolls are ideally stored palletized or on their sides on a smooth clean surface, under cover and protected from direct sunlight.
Care	Care should be taken when handling the membrane in order to prevent tears and punctures occurring. Any damage during the installation must be repaired or replaced.
Membrane orientation and fixing	DuPont™ AirGuard® products are installed with the printed side facing the room. Consider possible expansion and contraction of the membranes with temperature changes, therefore don't overstretch when installing, but rather keep a certain amount of slack and make pleats where appropriate. Either pre-cut the correct length of product needed for the wall/ceiling or unwind the roll as you go and cut when appropriate.
Continuous sealing	DuPont™ AirGuard® must be sealed at all laps, junctions and penetrations.
Fixing to timber	Initial/temporary fixing of the membrane is normally achieved with stainless steel staples. These may be positioned at the overlap where the membrane is to be later sealed with tape. For best practice fix the membrane using DuPont™ Tyvek® double sided tape, as this will help to minimise penetrations. Where shrinkage or movement within the structure is likely a flexible seal, such as DuPont™ Tyvek® butyl tape will be of benefit. The membrane should be permanently fixed with timber battens, metal channels/brackets or the internal lining.
Fixing to concrete	When the sheet is fixed to a concrete surface, ensure the surface is clean and dry. A flexible seal, such as butyl tape is recommended, as it can accommodate small gaps and imperfections.
Fixing to steelwork	Use DuPont™ Tyvek® double sided or butyl tape for temporary fixing. The membrane shall be permanently fixed with timber batten, metal channels/brackets or the internal lining.
Penetrations	Penetrations should be kept to a minimum and any that are made should be sealed to ensure full functionality of the membrane as an airtightness layer.
Membrane damages	Any membrane damage should be immediately made good to avoid air leakage after installation. First cover the damaged area with tape, and then add an extra piece of AirGuard® membrane over the damage. The overlap shall be at least 100mm in all directions.

100mm laps

Maintain a minimum 100mm lap between sheets. The sheets should be sealed with double sided tape.



As an alternative to double sided tape, joints can be sealed with single sided DuPont™ Tyvek® tape or alternative. Do not apply the tape under stress. Make sure the tape covers the overlap of the two membranes with 50/50 coverage.

For best practice, vertical membrane overlaps should be placed in line with studs



After taping

Permanently fix the membrane with a timber batten or the internal lining.



Minimise membrane penetrations

The internal lining (plasterboard, etc.) can be spaced off DuPont™ AirGuard® to create a services void.

This can help minimise penetrations through the membrane created by electrical sockets, light fittings, etc.

Timber battens, minimum 25mm, may be used for this.

