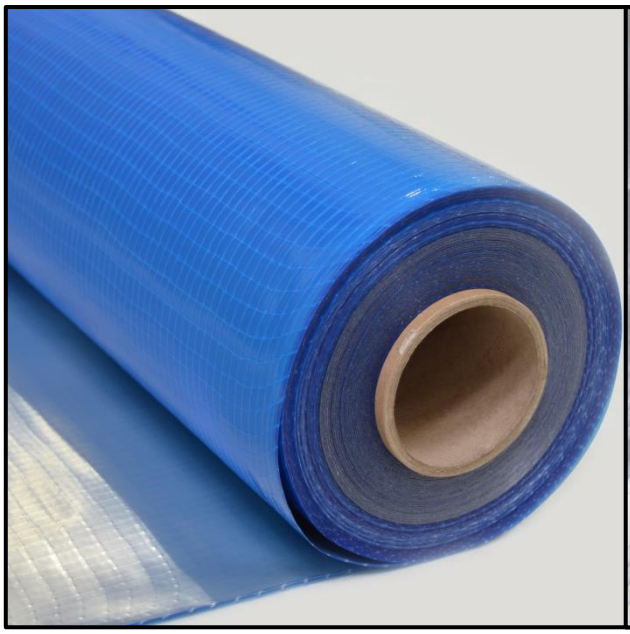
Methane Pro

Foil Laminate Reinforced Polythene Methane and DPM Membrane

Novia® Methane Pro is a premium specification multi-layer laminate DPM membrane incorporating reinforcement and an aluminium foil core. It is designed for use as a methane and CO_2 gas barrier being compliant for BS 8485:2015 groundwork applications. **Novia® Methane Pro** can also be used in radon gas barrier and damp proof membrane applications and is CE approved as a DPM.

All **Novia® Methane Pro** membrane joints **must** be professionally installed in conjunction with our 2-tape sealing system to ensure a fully compliant gastight seal. Install membrane with blue side facing down and silver side uppermost.



- ✓ **BS 8485:2015 compatible methane and CO_2 barrier**
- ✓ **Sheets and joints tested to ISO 15105-1**
- ✓ **Also acts as a radon barrier and DPM**
- ✓ **Suitable for use in BRE report BR 211-2015 radon applications**
- ✓ **CE Approved and CPR compliant**
- ✓ **Complies with BS EN 13967 Type A DPM**
- ✓ **CE Declaration of Performance available on request**
- ✓ **Tough, tear-resistant and reinforced material**
- ✓ **Multi-layer virgin polythene laminate with an aluminium foil core**
- ✓ **Extremely low vapour and methane permeability**
- ✓ **Install with the Novia 2-tape Sealing System**
- ✓ **Easy to install loose-laid membrane**
- ✓ **Install with the blue side down and silver side up**
- ✓ **Easy visual check - ensure no blue colour showing**
- ✓ **Suitable for use in conjunction with NHBC standards**

Roll size:		
Standard width	1.6	m
Roll weight (with core)	27	kg
Roll length	50	m
Packing	25	Rolls per pallet

Target value technical data:			
	Value	**Units**	**Test Method**
Nominal weight:	314	g/m²	EN 1849-2
Tensile strength MD/CD	345/250	N/50mm	EN 12311-1
Max elongation at tensile strength (MD/CD)	25/20	%	EN 12311-1
Tear resistance MD/CD	130/240	N	EN 12310-1
Water vapour permeability in sd	4000	m	EN 1931/EN 12572
System methane transmission rate	≤ 8	ml/day/m²/atm	BS ISO 15105-1
Alkali durability	PASS		EN1847
Age durability	PASS		EN1296
Water tightness	PASS	at 2kPa	EN1928
Reaction to fire	NPD	Class	EN 13501-1

Methane Pro

Foil Laminate Reinforced Polythene Methane and DPM Membrane

To correctly install Novia Methane Pro, ensure the surface is dry and dust free before unrolling the first piece of membrane. Once the membrane is flat, apply the double-sided butyl tape (50mm width) approximately 50mm from the edge (see figure 1), and temporarily leave the backing paper on. Prepare the top section of methane barrier by once again ensuring the surface underneath is dry and dust free. Then lay this section of membrane with a 150mm overlap onto the first section, and join them together by unpeeling the backing paper of the double sided butyl tape (see figure 2) and pressing them very firmly together. Where the two membrane joints overlap, the excess must be held in place using Novia BOPP lap sealing tape. Carefully apply Novia BOPP tape equidistant over the edges of the two membranes, ensure there are no wrinkles or gaps and then apply firm pressure to complete the seal (see figure 3). For a side view of this process, please see figure 4.

All other edges and entry points, such as top hats, must be sealed in the same manner. Ensuring all joints are installed correctly and tightly will maintain the effectiveness of the membrane. Any damage or patches must also be sealed using the same techniques. Always reapply any tapes which are not 100% correctly sealed. Once installation is complete, the gas barrier should be protected as soon as possible to prevent any accidental damage.

Consideration should be given to clause 11 of CP 102:1973. This membrane is not suitable for applications where hydrostatic pressure is present.

Figure 1

Figure 2

Figure 3

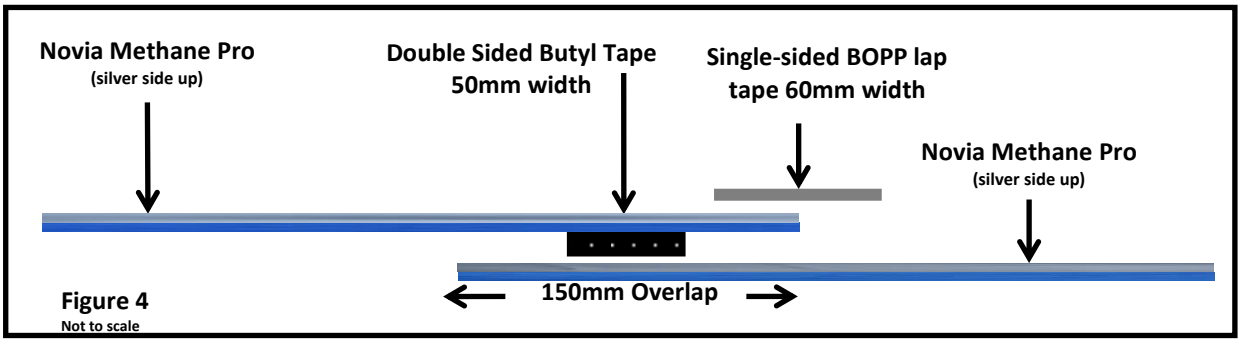


Figure 4
Not to scale