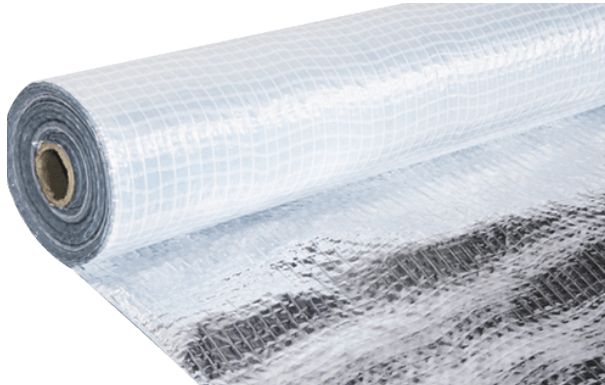




## 4706 - Amucor foil with a reinforcement net



### Amucor foil with a reinforcement net

Amucor foil with reinforcement net 4706 is a laminated moisture-proof foil. Amucor foil 4706 comprises among other things an LDPE foil, strengthened with a reinforcement net and pure 4701 Amucor foil. Foil is provided with a CE mark.

#### Dimensions

Material thickness:	0.31 mm
Max. width:	3100 mm
Max. length:	Roll of 100 meters

#### Applications

For EMI shielding and personal protection against unwanted radio frequencies. Easy to apply in existing structures for example an office or house. Around attachment points, overlaps, connections we recommend to apply 4703 Amucor tape for the sealing of the seams.

#### Options (on request)

- Available with adhesive, full width max. 1500 mm
- Vapor permeable version

#### Technical details

Characteristic	Parameter	Test method	Units	Result	Toler.
Mass per unit area		EN 1849-2	g/m <sup>2</sup>	150	-15 +15
Reaction to fire		EN 11925-2	Class	F	
Water tightness		EN 1928	Class	W1	
Tensile strength	MD	EN 12311-1 Ann.A	N/50 mm	380	-80
Tensile strength	CD	EN 12311-1 Ann.A	N/50 mm	400	-70
Elongation	MD	EN 12311-1 Ann.A	%	15	-5
Elongation	CD	EN 12311-1 Ann.A	%	15	-5
Tear strength	MD	EN 12311-1 Ann.B	N	380	-170 -100
Tear strength	CD	EN 12311-1 Ann.B	N	380	-160 -140
Water vapour permeability		EN 1931	m	> 150	

#### Shielding performance

Field	Frequency	Amucor foil (0.04 mm thick)
E	1 MHz	121 dB
E	10 MHz	110 dB
E	100 MHz	103 dB
E	400 MHz	98 dB
P	1 GHz	92 dB
P	10 GHz	85 dB

These values are measured under laboratory conditions. In other situations results may differ; please read our [Guarantee](#).

#### Handling

Amucor foil with a reinforcement net dient vrij van harde ondergronden gemonteerd te worden. In facades with a soft surface, for example, mineral wool, Amucor foil with a reinforcement net may directly applied to the soft surface. The best result, however, is achieved when the conductive film is slightly free from the soft surface. Amucor foil with a reinforcement net should always be applied with the conductive Amucor side (aluminum alloy) side outside. Minimum overlap at least 100 mm on all sides of the material to get good coupling of the shield. Grounding of the material is preferred for safety reasons.

To achieve the highest possible shielding, we advise you to close overlaps with our Aluminium shielding tape 3203- 50 mm width.

Please take care that no electrical connections, cables for power and signals and other metals like waterpipes, central heating pipes pass the screen. Without any filtering of these penetrations, the pipes and cables act as an antenna and reduce the performance of the shield.

#### Please note

at the top of the metal is a thin insulation layer for protection against corrosion