

## 5800 - EMI shielding foils selection

Many EMI problems can be solved easily by the use of conductive foils, fabrics or sheets. Some of the most commonly used materials are Mu-copper foil, reinforced Amucor foil and highly conductive textile.

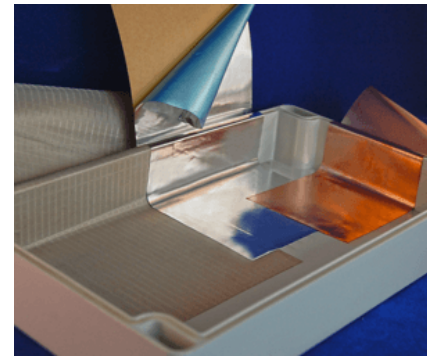
All of these materials can be produced with or without (conductive) self-adhesive and an optional insulation layer.

In addition, all materials can be cut according to CAD drawing in any desired shape and size.

### Shielding performance of different foils

Field	Frequency	Conductive foil	Conductive textile foil	Mu-ferro foil	
		0,12 mm thick	0,04 mm thick		
E	1 MHz	125 dB	121 dB	115 dB	Developed for low-frequency (LF) magnetic field shielding
E	10 MHz	101 dB	110 dB	108 dB	
E	100 MHz	120 dB	103 dB	102 dB	
E	400 MHz	115 dB	98 dB	92 dB	
P	1 GHz	110 dB	92 dB	90 dB	
P	10 GHz	120 dB	85 dB	80 dB	

*These values are measured under laboratory conditions.  
In your situation results may differ, please read our Guarantee.*



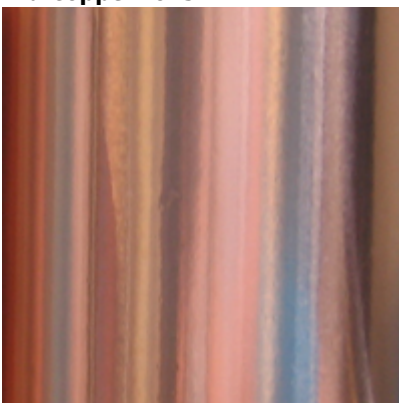
*Conductive foils, fabrics and sheet materials for EMI shielding. These materials are used to shield plastic housing and enclosures against undesirable electromagnetic signals*



*All EMI shielding foils and fabrics can be cut according to CAD drawing in any desired shape and size.*

## EMI shielding foils (make your selection)

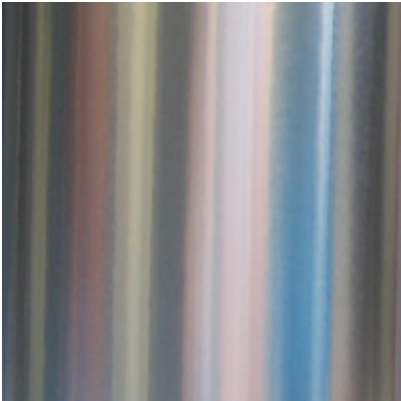
### Mu-copper foils



Mu-copper foil has superb shielding performance (also at low frequencies), can be soldered, and can easily be folded in the right shape.

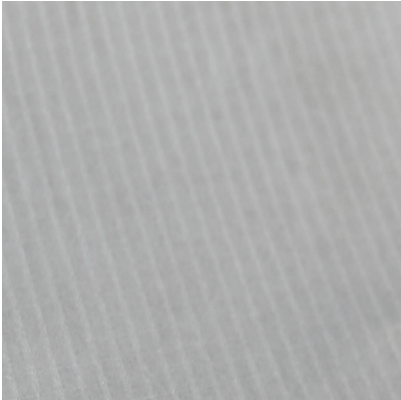
### Amucor foil

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Reinforced Amucor foil is both cost effective and heat resistant. This thin foil can be applied easily to any surface or housing shape.

### Conductive textile



Conductive textile with self adhesive can be applied easily to plastic housings to cover non-standard forms and shapes.

### Mu-ferro foil



Mu-ferro foil and tape has been developed for low-frequency (LF) magnetic field shielding.

### Aluminum foil

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Especially developed for aluminium housings and frames to prevent galvanic corrosion.