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### Properties

- temperature index 120 of the base coat
- suitable for winding in oil immersed transformers
- high chemical and humidity resistance

**Magnebond® FX-120** is bonded on effect of heat resulting in a bonded coils. It is characterised by:

- Quick curing  
    <24 h at 120°C
- Expanded shelf life  
    ≥ 12 months
- Excellent chemical resistance
- Smooth surface of enamel film

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### Insulation

Polyvinyl acetate, the final layer consists of epoxy bond coat.

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### Application

**Magnebond® FX-120** is designed for the production of self-bonded, transformer coils with high mechanical strength. Bonding of the coil is achieved during the vapour phase drying process.

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### Production range

Size range	Width	2.80 to 12.50 mm
	Thickness	1.00 to 3.15 mm
Thickness base coat	Base coat	Grade 1 or Grade 2
	Bond coat	0.030 to 0.060 mm (thickness) 0,000 to 0,020 mm (width)

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### Electrical properties

Breakdown voltage	≥ 1.5 IEC values
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### Mechanical properties

Elongation	> 32 %	
Bending test	flatwise, w ≤ 10 mm	4 x w
	flatwise, w > 10 mm	5 x w
	edgewise	4 x t

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### Thermal properties

Cut through temperature (base coat) *	≥ 230 °C
Thermal class (base coat)	120
Heat shock	155 °C
Temperature index (base coat)*	≥120

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\* measured on round enamelled wires