

# TECHNICAL DATA SHEET

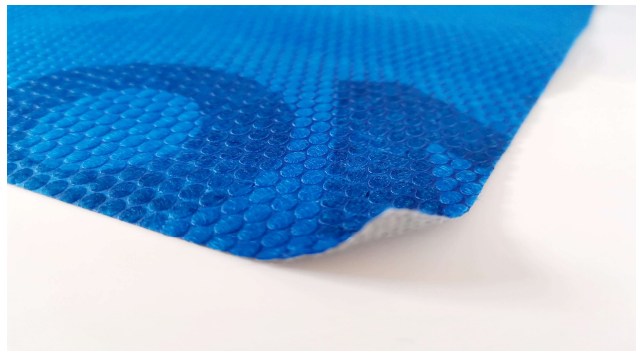
updated 10/2024

## CONTROFOIL DUPLEX 170 V

Conductive detection membrane for high voltage testing

### DESCRIPTION OF PRODUCT:

Innovative detection layer for HVET spark tests with patented expansion layer. Microperforated aluminum foil designed to create a conductive layer under the coating of roofs made of mPVC-based foil. The conductive layer CONTROFOIL provides excellent conditions for performing the HVET spark test.



### COMPOSITION

Upper side	Expansion channel layer made of PP + logo printing
Conductive layer	Aluminum foil
Bottom side	PP retention layer

### TECHNICAL INFORMATIONS

Characteristic	Test method	Unit	Value
Thickness	EN 1849-2:2010	mm	0,60 (+/- 0,01)
Mass per unit area	EN 1849-2:2010	g/m <sup>2</sup>	170 (+/- 10)
Tensile strength – longitudinal	EN 12311-2:2013	N/50 mm	190 (+/- 10)
Tensile strength – transverse			130 (+/- 10)
Elongation – longitudinal	EN 12311-2:2013	%	95 (+/- 10)
Elongation – transverse			75 (+/-10)
Water vapor diffusion resistance <i>m</i>	EN ISO 12572:2003	-	4000 (+/- 150)
Water vapour transmission properties <i>sd</i>	EN ISO 12572:2003	m	0,65 (+/- 0,05)
Reaction to fire	EN 13501-1:2010	-	E
Long-term temperature resistance	-	°C	80
Temperature range of use	-	°C	-30/+80

### PACKING

Area per roll	m <sup>2</sup>	100
Roll dimensions	m	2,0 x 50
Roll weight	kg	17

Individual rolls are packed in a transparent PE protective packaging with product marking. After unpacking and installation, do not expose to increased humidity, UV radiation and increased stress from the movement of people for a long time.

### APPLICATION

The CONTROFOIL detection conductive layer is installed by simply laying and overlapping individual strips with a width of 50 mm directly under the mPVC-based roofing. It is used in flat roof systems and is laid on thermal insulation based on EPS and mineral wool. The minimum temperature during application must be -5 C°.

*We inform you that in accordance with the Act on Construction Products 133/2013 Coll., the detection electrically conductive layer for spark tests is not a construction product for which there is a harmonized standard, a European Technical Assessment or a designated standard. Technical approval cannot be granted for the above-mentioned products placed on the market after 1 May 2004, as they are not subject to the regulations of the Act on Construction Products. Therefore, they are not subject to the obligation to mark with the construction mark B or CE, nor to issue a state or European declaration of conformity. The basis for processing the technical sheet was the results of the technical assessment, which is the procedure for issuing a SK technical assessment, which is used if there is no harmonized standard, European Technical Assessment or a designated standard for the product that the manufacturer is to place on the domestic market.*