



# Technical data

## CLIMATEQ PRO180 BLACK

### breathable membrane

**Producer:**

Z.P.H.U WA-BIS Waldemar Wata

Ul. Polna 3; 42-445 Szczekociny \Factory: Łany 66; 28-330 Wodzisław\

**Material:** Elastic PP spunbond + film PP + PP spunbond \ 3-layers product \

Issue date: 03.07.2017

Product characteristic	Test methods	Unit	Nominal value	Tolerance	
				Min.	Max.
Mass per unit area	EN 1849-2	[g/m <sup>2</sup> ]	<b>180</b>	-7%	7%
Length	EN 1848-2	[m]	<b>50</b>	-0	-
Width	EN 1848-2	[m]	<b>1,5</b>	-0,5%	-1,50%
Reaction to fire	EN 13501-1	[class]	<b>E</b>	-	-
Resistance to water penetration	EN 1928/A	[class]	<b>W1</b>	-	-
Sd value	EN ISO 12572/C	[m]	<b>0,02</b>	-0,01	0,01
Water vapour transmission rate	WVTR	[g/m <sup>2</sup> /24h]	<b>do 3000*</b>	-	-
Tensile strength longitudinal /transverse	EN 12311-1A	[N/50mm]	<b>470/260</b>	-40/-50	+40/+50
Tear resistance longitudinal /transverse	EN 12310-1	[N]	<b>170/215</b>	-45/-55	+45/+55
Elongation longitudinal /transverse	EN 12311-1A	[%]	<b>75/90</b>	-20/-20	+20/+20
UV stability		[month]	<b>4</b>	-	-
Operating temperature range		[°C]	<b>-40 / +120</b>	-	-
Flexibility at low temperature	EN 1109	[°C]	<b>-40</b>	-	-
Air permeability	EN 12114	[m <sup>3</sup> /(m <sup>2</sup> ·hx50Pa)]	<b>≤ 0,020</b>	-	-

\*depends on the test conditions. Parameters given in the table are results of the individual samples, it is therefore acceptable deviation rates arising from the production technology. Tests carried out on the basis of the part of the quality management system ISO 9001.

**Application:** CLIMATEQ is designed for applying as a roof underlay on pitched roofs (as an unsupported roof lining material), for all kinds of roofing coatings laid on battens and counter battens, for which the airflow was anticipated along the counter battens., may also laid directly on thermal insulation and be used as wind insulation in wooden and metal framework walls, **CLIMATEQ PRO180** successfully protects cold (ventilated and non-ventilated) and warm roof constructions, its also recommend to put it on fully supported roofs.

**LOGISTIC DETAILS:**

PRODUCT IDENTIFICATION	Pcs per pallet	Gross weight	Pallet sizes		
			Width	Length	Height
<b>CLIMATEQ PRO180 BLACK</b>	<b>35 rolls</b>	<b>ca 500 kg</b>	<b>1,11m</b>	<b>1,53m</b>	<b>1,61m</b>

**EN 13859 – 1** Underlays for discontinuous roofing /undertiles/**EN 13859 – 2** Underlays for walls

Notified Body N° 1454

Prepared by *Adam Wajda* - Product Manager

Based on DoP N° 06/2017/CL



The above information is based on current knowledge, it describes the product in terms of destination. It should, however, be construed as a guarantee of specific properties of the product. The data contained in the data sheet, as well as unconfirmed writing spoken advice or information can not constitute a basis for liability unless. Electronic document – do not need the signature.