



DECLARATION OF PERFORMANCE TB&-21102

1. Unique identification code of the product-type: **TB&-21102**
2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4): **TB& TOPFLEX BLACK 5M**
3. Intended use or uses: **Flexible sheets for waterproofing - Reinforced bitumen sheets for roof waterproofing Bitumen water vapour control layers**
4. Manufacturer:
Tooba BV - Hortensiadreef 14 - 2920 Kalmthout - info@tben.eu - www.tben.eu
5. Authorised representative: ---
6. System/s of AVCP: **System 2+, except for vapor control layers system 3.**
7. Harmonised standard (if applicable): **FPC certificate obtained from Eurofins expert services Notified Body, registered under registration number 0809. Certificate number: 0809-CPR-21003667.**
8. Notified body/ies (identification no.): **NB 0809 Eurofins Expert Services Ltd**

9. Declared performance: **Harmonized technical specification**

Essential characteristics	Unit	Test method	Performance
Thickness (selvedge)	mm	EN 1849-1	4,0 ± 0.2
Mass per unit area	kg/m ²	EN 1849-1	5,8 ± 15%
External fire performance	<>	EN 13501-5	B roof t1
Reaction to fire	<>	EN 13501-1	E
Watertightness, method A	kPa	EN 1928	Pass
Watertightness, method B	kPa	EN 1928	500
Tensile properties: maximum tensile force, LD	N/50mm	EN 12311-1	900 +100/-100
Tensile properties: maximum tensile force, TD	N/50mm	EN 12311-1	700 +100/-100
Elongation, longitudinal direction	%	EN 12311-1	50 +25/-25
Elongation, transverse direction	%	EN 12311-1	50 +25/-25
Resistance to static loading (method A)	kg	EN 12730	20
Resistance to static loading (method B)	kg	EN 12730	20
Resistance to impact (method A)	mm	EN 12691	1 000
Resistance to impact (method B)	mm	EN 12691	1 750
Resistance to tearing (nail shank), longitudinal direction	N	EN 12310-1	300 ± 60
Resistance to tearing (nail shank), transverse direction	N	EN 12310-1	300 ± 60
Peel resistance of joints, maximum	N/50mm	EN 12316-1	135 +35/-35
Peel resistance of joints, average	N/50mm	EN 12316-1	120 +20/-20
Shear resistance of joints, longitudinal direction	N/50mm	EN 12317-1	650 +50/-50
Shear resistance of joints, transverse direction	N/50mm	EN 12317-1	650 +50/-50
Flow resistance at elevated temperature	°C	EN 1110	100
Artificial ageing, flow resistance at elevated temperature	°C	EN 1110 / EN 1926	90
Artificial ageing, flexibility at low temperature	°C	EN 1109 / EN 1926	-15
Flexibility at low temperature	°C	EN 1109	-25
Ageing by long term exposure to UV radiation, elevated temperature and water	<>	EN 1297	NPD
Resistance to root penetration	<>	EN 13948	NPD
Content of harmful and dangerous substances			Does not contain

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Toon Wouters

name

signature

Deputy Director for Quality

position

place of issue: Aartselaar, Belgium

date of issue: 25.01.2021