

## DECLARATION OF PERFORMANCE: BETAGUM P - 3 mm

1.Unique identification code of the product-type: **BPE-0113**

2.Type, batch or serial number or any other element allowing identification of the construction product : Refer to product label

3.Intended use or uses of the constructoin product:

European Standard UNI EN	Intended use
<b>13707:2013</b> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<b>Flexible sheets for waterproofing. Reinforced bitumen sheets for roof waterproofing.</b> - Sheets for single layer applications - Multilayer view / Top layer - Multilayer view / Intermediate layer - Under heavy protection (monolayer, multilayer) - Sheets for roof gardens
<b>13969:2007</b> <input checked="" type="checkbox"/>	<b>Flexible sheets for waterproofing. Bitumen damp proof sheets including bitumen basement tanking sheets.</b>
<b>13859-1:2010</b> <input type="checkbox"/>	<b>Flexible sheets for waterproofing - Definitions and characteristics of underlays - Part 1: Underlays for discontinuous roofing</b>
<b>13970:2007</b> <input type="checkbox"/>	<b>Flexible sheets for waterproofing - Bitumen water vapour control layers</b>
<b>14695:2010</b> <input type="checkbox"/>	<b>Flexible sheets for waterproofing - Reinforced bitumen sheets for waterproofing of concrete bridge decks and other trafficked areas of concrete</b>

4. : Manufacturer name, registered trade name, or registered trade mark and contact address of Manufacturer:

**TECHNONICOL ITALIA SRL -Via Galoppat, 134-Pasiano di Pordenone (PN)**

**Tel 0434-614611 - Fax 0434-628178 - email: info@technonicol.it**

5. Authorised representative: not applicable

6. System or systems of assessment and verification of constancy of performance of the construction product:

European Standard UNI EN	Systems of assessment and verification of constancy of performance of the construction product (AVCP)
<b>13707:13 - 13969:07 - 14695:10</b>	<b>AVCP 2 +</b>
<b>13859-1:10 - 13970:07</b>	<b>AVCP 3</b>

7. In accordance with AVCP the above-mentioned systems, institutes/laboratories reported have performed the initial inspection, verification of system control, monitoring and evaluation, verification of control of production, the initial type testing provided the end of the visit they released certificate of conformity of the control system factory:

European Standard UNI EN	Notify Body / Institute	Accreditation number	Certificate / Report
<b>13707 - 13969 - 14695</b>	<b>SGS ITALIA S.p.A</b>	<b>1381</b>	<b>1381-CPR-392</b>
<b>13859-1</b>	<b>IGMAT</b>	<b>1373</b>	<b>89/106/EGS</b>
<b>13970</b>	<b>TUM</b>	<b>1211</b>	<b>TA51257/06e</b>

8. European technical assessment: not applicable

9. Declared performance:

Compound	/	-	BPE	/	
Carrier type	/	-	Polyester	/	
Upper surfacing	/	-	Sand	/	
Lower surfacing	/	-	Film PE	/	
Type of application	/	-	Torch	/	
Visible defects	EN 1850-1	-	Pass	/	EN 13707:13 - EN 13969:07 - EN 13970:07 - EN 14695:10
Length	EN 1848-1	m	≥ (10 - 1%)	/	EN 13707:13 - EN 13859-1:10 - EN 13969:07 - EN 13970:07 - EN 14695:10
Width	EN 1848-1	m	≥ (1 - 1%)	/	EN 13707:13 - EN 13859-1:10 - EN 13969:07 - EN 13970:07 - EN 14695:10
Straightness	EN 1848-1	-	Pass	/	EN 13707:13 - EN 13859-1:10 - EN 13969:07 - EN 13970:07 - EN 14695:10
Weight	EN 1849-1	kg/m <sup>2</sup>	/	± 10%	EN 13707:13 - EN 13859-1:10 - EN 13969:07 - EN 13970:07 - EN 14695:10
Thickness	EN 1849-1	mm	3	± 0,2	EN 13707:13 - EN 13859-1:10 - EN 13969:07 - EN 13970:07 - EN 14695:10
Watertightness (method B) - after artificial ageing	EN 1928	-	Pass	/	EN 13707:13 - EN 13859-1:10 - EN 13969:07 - EN 13970:07
	EN 1926+EN 1928	-	Pass	/	
External fire performance	EN 13501-5	-	F roof	/	EN 13707:13 - EN 13969:07
Reaction to fire	EN 13501-1	-	EUROCLASSE F	/	EN 13707:13 - EN 13859-1:10 - EN 13969:07 - EN 13970:07
Peel resistance of joint	EN 12361-1	N/50mm		/	EN 13707:13
Shear resistance of joint T/L	EN 12317-1	N/50mm	Heat=350 / Side=250	- 20%	EN 13707:13 - EN 13970:07
Tensile properties: max strength L/T	EN 12311-1	N/50mm	L=400 / T=300	± 20%	EN 13707:13 - EN 13859-1:10 - EN 13969:07 - EN 13970:07
Tensile properties: elongation L/T	EN 12311-1	%	L=35 / T=35	± 15 pp	EN 13707:13 - EN 13859-1:10 - EN 13969:07 - EN 13970:07
Resistance to impact	EN 12691	mm	700	/	EN 13707:13 - EN 13969:07 - EN 13970:07
Resistance to static loading	EN 12730	kg	10	/	EN 13707:13 - EN 13969:07
Resistance to tearing (nail shank) L/T	EN 12310-1	N	L=150 / T=150	- 30%	EN 13707:13 - EN 13859-1:10 - EN 13969:07 - EN 13970:07
Dimensional stability	EN 1107-1	%	≤ 0,3	/	EN 13707:13 - EN 13859-1:10
Flexibility at low temperature - after artificial ageing	EN 1109	°C	- 15	/	EN 13707:13 - EN 13859-1:10 - EN 13969:07 - EN 13970:07 - EN 14695:10
	EN 1296+EN 1109	°C	- 10	/	
Flow resistance at elevated temperature - after artificial ageing	EN 1110	°C	85	/	EN 13707:13 - EN 14695:10
	EN 1296+EN 1110	°C	/	/	
Resistance UV radiation,	EN 1297	-	/	/	EN 13707:13
Adhesion of granules	EN 12039	%	/	/	EN 13707:13
Water vapour transmission	EN 1931	μ	20.000	/	EN 13707:13 - EN 13859-1:10 - EN 13969:07 - EN 13970:07

(1) Note: In the absence of European harmonized test methods, verification and declaration on release/content will be made taking into account national provisions

10. The performance of the identified in point 1 and 2 is in conformity with declared in point 9. This declaration of performance is issued under the sole responsibility of manufacturer identified in point 4.

Pasiano, 22/02/2016

Responsabile Tecnico  
Dr Sebastiano Cescon



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