

Product data sheet

No: IT- 7/2012/eng rev.6

Date: 20.02.2020

Page: 1/2

BMI Icopal Sp. z o.o.
98-220 Zduńska Wola
ul. Łaska 169/197
Poland

Graviflex 5,2 SBS / Green Roof

1. Product trade name: Bitumen sheet Graviflex 5,2 SBS / Green Roof

2. Technical specification:

PN-EN 13707 + A2:2012 IDT. EN 13707:2004 + A2:2009

Flexible sheets for waterproofing – Reinforced bitumen sheets for roof waterproofing –
Definitions and characteristics

3. Manufacturer: BMI Icopal Sp. z o.o., 98-220 Zduńska Wola ul. Łaska 169/197, Poland

4. Description of the product:

sheet with polyester fleece reinforcement, coated with bitumen layer: SBS modified bitumen with
mineral filler, with additives protected against the root plant overgrowth.Top side is finished with slate and with ca. 80 mm foil selvedge, bottom side is profiled and finished
with foil.

The sheet is produced on the basis of "SPEED PROFILE" technology.

5. Type of application: top, waterproof layer for multilayer applications in roof gardens.

Sheet is resistant to root overgrowth.

6. Method of application: torch applied.

7. Information for users:

Conditions of application:

the roofing sheet should be applied on a roof when the temperature does not fall below 0°C. It should
not be applied: on a wet roof surface, on a roof covered with ice, during rain or snow falls or during
strong wind.

Conditions of usage:

waterproofing made with the use of Graviflex 5,2 SBS / Green Roof should be done according to a
technical project complying with binding building regulations and detailed guidelines included in the
manual issued by the producer.

Storage:

the rolls should be stored in rooms and should be protected against moisture and exposure to sunlight
or source of heat. The rolls should be stored on an even surface in upright position, in one layer.

Transport:

the rolls should be transported in covered trucks, in upright position in one layer, protected against
falling over and any other damage. Rolls should be placed in a way preventing their dislocation during
transport

8. Product performance:

| | Characteristic | Test method/ Classification | Units | Value or statement |
|-----|--|--|--------------|--|
| 1. | Visible defects | EN 1850-1 | ---- | no visible defects |
| 2. | Length (*) | EN 1848-1 | m | ≥ 5,0 |
| 3. | Width (*) | EN 1848-1 | m | ≥ 0,99 (1,00 ± 0,01) |
| 4. | Straightness | EN 1848-1 | ---- | deviation: ≤10 mm / 5 m or proportional for other lengths |
| 5. | Thickness | EN 1849-1 | mm | 5,2 ± 0,2 |
| 6. | Watertightness | EN 1928 | ---- | watertight |
| 7. | Reaction to fire | EN 13501-1 | ---- | Class E |
| 8. | Joint strength -longitudinal direction, -transverse direction | EN 12317-1 | N/50 mm | 900 ± 200 1000 ± 200 |
| 9. | Tensile properties: maximum tensile strength -longitudinal direction, -transverse direction | EN 12311-1 | N/50 mm | 1100 ± 200 900 ± 200 |
| 10. | Tensile properties: elongation -longitudinal direction, -transverse direction | EN 12311-1 | % | 50 ± 10 50 ± 10 |
| 11. | Resistance to impact | EN 12691 Method A Method B | mm | 2000 2000 |
| 12. | Resistance to static loading | EN 12730 Method B | kg | 20 |
| 13. | Flexibility at low temperature | EN 1109 | °C | - 25 /Ø30 mm |
| 14. | Flow resistance at elevated temperature | EN 1110 | °C | 100 |
| 15. | Dimensional stability | EN 1107-1 Method A | % | ≤ 0,5 |
| 16. | Resistance to root penetration | EN 13948 | ---- | resistant |
| 17. | Water vapour transmission properties | EN 13707 | ---- | μ=20 000 |

(*) there is a possibility to produce the sheet of different length and/or width on condition that the length and/ or width specified in tests is not lower than declared