

**Product Data Sheet**

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**Icopal Sp. z o.o**  
98-220 Zduńska Wola  
ul. Łaska 169/197  
Poland**VILLAS SUPER Wn-PYE PV250 S52H****1. Product trade name:** Top bitumen sheet VILLAS SUPER Wn-PYE PV250 S52H**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:** ICOPAL Sp. z o.o., 98-220 Zduńska Wola ul. Łaska 169/197, Poland**4. Description of the product:**

sheet with polyester fleece reinforcement (reinforced), coated with SBS modified bitumen with mineral filler, top side is finished with slate and with ca. 80 mm foil selvedge, bottom side is finished with foil.

**5. Type of application:** top layer, for single -or multilayer applications in roof waterproofing**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 VILLAS SUPER Wn-PYE PV250 S52H 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:**

|     | <b>Characteristic</b>  | <b>Test method/<br/>Classification</b> | <b>Units</b> | <b>Value or statement</b>                                    |
|-----|--|--|--------------|--|
| 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<br>( 1,00±0,01 )                                      |
| 4.  | Straightness   | EN 1848-1                              | ----         | deviation: ≤10 mm / 5 m<br>or proportional for other lengths |
| 5.  | Thickness  | EN 1849-1                              | mm           | 5,2 ± 10%  |
| 6.  | Watertightness   | EN 1928<br>Method B                    | ----         | resistant to 100 kPa   |
| 7.  | Reaction to fire   | EN 13501-1                             | ----         | Class E  |
| 8.  | Shear resistance of joints<br>-longitudinal direction,<br>-transverse direction                      | EN 12317-1                             | N/50 mm      | 600 ± 300<br>800 ± 350                                       |
| 9.  | Tensile properties: maximum<br>tensile strength<br>-longitudinal direction,<br>-transverse direction | EN 12311-1                             | N/50 mm      | 800 ± 350<br>600 ± 300                                       |
| 10. | Tensile properties:<br>elongation<br>-longitudinal direction,<br>-transverse direction               | EN 12311-1                             | %            | 25 ± 20 (**)<br>45 ± 15                                      |
| 11. | Resistance to impact   | EN 12691<br>Method A                   | mm           | 1250   |
| 12. | Resistance to static loading   | EN 12730<br>Method A                   | kg           | 10   |
| 13. | Dimensional stability  | EN 1107-1<br>Method A                  | %            | ≤ 0,5  |
| 14. | Flexibility at low temperature   | EN 1109                                | °C           | -20 /Ø30 mm  |
| 15. | Flow resistance at elevated<br>temperature   | EN 1110                                | °C           | 95   |
| 16. | Artificial ageing by long term<br>exposure to elevated<br>temperature                                | EN 1109<br>EN 1296                     | °C           | -15 ± 5  |
| 17. | Adhesion of granules   | EN 12039                               | %            | 15 ± 10  |
| 18. | Water vapour transmission<br>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

(\*\*) elongation description results from polyester behaviour having reinforcements and from standards requirements.  
 Real elongation break value for the product in longitudinal direction is 35 ± 10% .