

DECLARATION OF PERFORMANCE: n°DOP on request

1. Unique identification code of the product-type: DOP on request
2. Identification of the Construction Product: BIIG 5 mm HP (446K14)
3. Intended use or uses of the construction product:

| Harmonized Technical Specification | Tick all that apply | Intended uses |
|------------------------------------|---------------------|---|
| | | Reinforced Bitumen Sheets for Roof Waterproofing: |
| | X | - Single Layer; |
| EN 13707 : 2013 | X | - Multi Layer / Top Layer; |
| | | - Multi Layer / Complementary Layer; |
| | X | - Heavy protection (Single Layer, Multi Layer); |
| | | - Anti root. |

4. Manufacturer : **IIGO Srl – Strada di Pietrara 54-A – 05100 Terni – Italia**
www.iigo.it - Tel +39 0744 61 10 61 – info@iigo.it

5. Authorised representative : **N.A.**

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

| | |
|-----------------|---------|
| EN 13707 : 2013 | AVCP 2+ |
|-----------------|---------|

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: According to the aforementioned AVCP systems, the notified bodies or the notified laboratory carried out the initial inspection of factory, the FPC, continuous surveillance, assessment and approval of FPC or the initial provided type tests, after which they issued the following certificate of conformity of the factory production control or the following test report.

| Harmonized Technical Specification | Notified Body/Lab | Notified code | FPC Number |
|------------------------------------|-------------------|---------------|---------------|
| EN 13707-2013 | Kiwa | 0120 | 0958CPDDK0781 |

8. European Technical Assessment (E.T.A.): **N.A.**

9. Declared Performance: **EN 13707 : 2013**

| Essential characteristics | Norm | Performance | Units | | Tolerance |
|---------------------------|------------|-------------|-------|-----|-----------|
| Fire resistance | EN 13501-5 | B ROOF (t1) | | | |
| Fire reaction | EN 13501-1 | E | | | |
| Watertightness | EN 1928 | 60 | kPa | MLV | |
| | EN 12311-1 | | N/5cm | MDV | +/-20% |
| Tensile strength L | | 1200 | | | |
| Tensile strength T | | 1000 | | | |
| Elongation at break L | EN 12311-1 | 55 | % | MDV | +/- 15 |
| Elongation at break T | | 55 | | | |

| Essential characteristics | Norm | Performance | Units | | Tolerance |
|---|---------------------|-------------------|-------|-----|-----------|
| Rootresistance | EN 13948 | NPD | | | |
| Static puncture resistance, subsurface hard/soft | EN 12730 method B,A | 25/25 | Kg | MLV | |
| Dynamic puncture resistance, subsurface hard/soft | EN 12691 method A,B | 1500/1250 | mm | | |
| Nail tear strength L | EN 12310-1 | 250 | N | MDV | |
| Nail tear strength T | | 250 | | | |
| Peeling strength L | EN 12316-1 | 70 | N/5cm | MDV | -20 |
| Peeling strength T | | 70 | | | |
| Shear strenght of joints L | EN 12317-1 | 700 ¹⁾ | N/5cm | MDV | +/- 20% |
| Shear strenght of joints T | | 700 ¹⁾ | | | |
| Cold flexibility | EN 1109 | -15 | °C | MLV | |
| Cold flexibility after ageing | + EN 1296 | -10 | °C | MDV | +/- 5 |
| Flow resistance | EN 1110 | 140 | °C | MLV | |
| Flow resistance after ageing | + EN 1296 | 130 | °C | MDV | +/- 10 |
| Visible defects | EN 1850-1 | NONE | | | |
| Visible defects after ageing | + EN 1297 | NONE | | | |
| Loss of minerals | EN 12039 | NPD | % | MLV | +0 |
| Dangerous substances | See note 1 | | | | |

1) If break has taken place in the weld.

Note1: CLP 1272/08/UE - REACH 1907/06/UE

L is longitudinal direction, T is transversal direction, MDV indicates a manufacturers declared value for which a tolerance applies, MLV indicates a manufacturers limiting value (minimum or maximum depending on the characteristic), NPD indicates that the property is not applicable.

B ROOF(t₁) when directly applied onto a substrate of PIR, PUR, (faced) EPS + separation fleece, MWR, EPB, CG and PF thermal insulation beforehand applied on a support of (cellular)concrete, profiled steel, wood(like) boards and sandwich panels.

F Roof indicates that the aspect of fire resistance has not been investigated. For the purposes of this product, this feature is not required.

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by:

Signed for and on behalf of the manufacturer by:



V.P. Pennarts

Place and date of issue: Terni – Italia, 01/02/2017