HIGH PERFORMANCE IN WATERPROOFING

DECLARATION OF PERFORMANCE: n°5660

1. Unique identification code of the product-type: 5660

2. Identification of the Construction Product: BIIG 5 mm HP PE (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 Nummer
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