

# DECLARATION OF PERFORMANCE: n° 9311 - 2

1. Unique identification code of the product-type: **9311**

2. Identification of the Construction Product: **MASTERGOLD FR 470 K24 ZWART**

3. Intended use or uses of the construction product

Harmonized Technical Specification	Intended uses
EN 13707:2013	<b>x</b> <b>x</b> Reinforced Bitumen Sheets for Roof Waterproofing: - Single Layer; - Multi Layer / Top Layer; - Multi Layer / Complementary Layer; - Heavy protection (Single Layer, Multi Layer); - Anti root.
EN 13969:2007	Bitumen Damp Proof Sheets Including Bitumen Basement Tanking Sheets
EN 13859-1:2010	Flexible Sheets for Waterproofing: Underlays for Discontinuous Roofing
EN 13970:2007	Flexible Sheets for Waterproofing: Bitumen Water Vapour Control Layers
EN 14695:2010	Reinforced Bitumen Sheets for Waterproofing of Concrete Bridge Decks and Other Trafficked Areas of Concrete

4. Manufacturer : **IIGO Srl - St. di Pietrara, 54/a - 05100 - Terni (TR) - ITALY**  
**www.iigo.it - Tel +39 0744 611061 - 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+
EN 13969:2007	AVCP 2+
EN 13859-1:2010	AVCP 3
EN 13970:2007	AVCP 3
EN 14695:2010	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/ Report Number
EN 13707:2013	SGS INTRON	0120	0958CPDDK0781
EN 13969:2007			
EN 13859-1:2010			
EN 13970:2007			
EN 14695:2010			

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	
Tensile strength L	EN 12311-1	800	N/5 cm	MDV	± 20 %
Tensile strength T	EN 12311-1	600	N/5 cm	MDV	± 20 %
Elongation at break L	EN 12311-1	40	%	MDV	± 15
Elongation at break T	EN 12311-1	40	%	MDV	± 15
Static puncture resistance	EN 12730	20	kg	MLV	
Dynamic puncture resistance	EN 12691	1250	mm	MLV	
Nail tear strength L	EN 12310-1	170	N	MDV	
Nail tear strength T	EN 12310-1	170	N	MDV	
Peeling strength L	EN 12316-1	70	N/5 cm	MDV	-20N
Peeling strength T	EN 12316-1	70	N/5 cm	MDV	-20N
Shear strength of joints L	EN 12317-1	700	N/5 cm	MDV	± 20 %
Shear strength of joints T	EN 12317-1	500	N/5 cm	MDV	± 20 %
Cold flexibility after ageing	EN 1296+EN 1109	-15	°C	MDV	± 5
Flow resistance	EN 1110	140	°C	MLV	
Flow resistance after ageing	EN 1296+EN 1110	140	°C	MDV	± 10
Visible defects	EN 1850-1	NO			
Loss of minerals	EN 12039	30	%	MLV	
Cold flexibility	EN 1109	-15	°C	MLV	
Dangerous substances	See note 1				

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 no performance determined in which case it is possible the characteristic 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.

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:

**Victor Pennarts**

Place and Date of Issue

**Terni - Italy , 01/07/2013**