

Certificate

Quality-Assurance System for Manufacturer of Materials acc. to Directive 2014/68/EU

Certificate no.: **01 2627 ZA/M1-210005.00**

Name and address
of the manufacturer:

**Hulamin Operations (Pty) Ltd.
Moses Mabhida Road,
Pietermaritzburg, 3200
South Africa**

Herewith we certify that the material manufacturer has established and applies a Quality Management System. The system was audited according to the European Directive 2014/68/EU, Annex I, point 4.3, with regard to the materials as listed in the scope of approval.

Tested acc. to
Directive 2014/68/EU:

**QM System acc. to EN 764-5, Clause 4.2 and AD
2000-Merkblatt W 0**

Assessment report no.:

ZA/M1-210005 Rev. 0

Area of validity:

**Manufacture of 3 to 60 mm Wrought Aluminium Plates,
Sheets and Coiled Products 5083 H111**

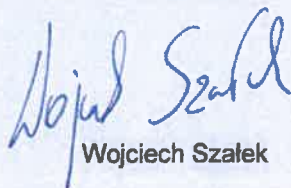
Manufacturing plant:

**Hulamin Operations (Pty) Ltd.
Moses Mabhida Road,
Pietermaritzburg, 3200
South Africa**

Period of validity:

23.11.2021 – 22.11.2024

Zabrze, 23.11.2021


Wojciech Szalek

TÜV Rheinland Polska Sp. z o.o.
Certification Body for Material Manufacturers
ul. Wolności 347, 41-800 Zabrze, Poland
e-mail: post@pl.tuv.com

T6-MS-0038294 rev. 2



Annex to Certificate no.: 01 2627 ZA/M1-210005.00

Scope according to:		<input checked="" type="checkbox"/> Directive 2014/68/EU, Annex I, point 4.3		<input checked="" type="checkbox"/> AD 2000-Merkblatt W 0				
Manufacturer		Work		Date				
Company name: Hulamin Operations (Pty) Ltd Location: Moses Mabhidha Road Pietermaritzburg, 3200, South Africa		Moses Mabhidha Road Pietermaritzburg, 3200, South Africa		23.11.2021				
		Country		Page no.				
		South Africa		1 of 1				
		Rev.: 0		TÜV Rheinland Polska Sp. z o.o.				
Pos.	Materials-term Materials-no.	Material specification	Delivery conditions	Article Type of Product	Dimensions Thickness mm	Weight max.	Technical specifications Requirements	Remarks
1	2	3	4	5	6a 6b 7a 7b 8a 8b	9	10	

1. Materials according to harmonized European standards (hEN) and European Approval for Materials (EAM) acc. Directive 2014/68/EU

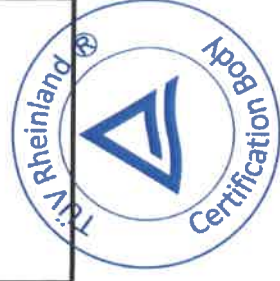
The use of the materials according to Directive 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.

EN AW 5083 H111	EN 573-3, EN 485-1	S	Wrought Aluminium Plate	3	50	Directive 2014/68/EU	Ambient temperature
-----------------	--------------------	---	-------------------------------	---	----	----------------------	---------------------

1. Materials according to the AD 2000 Code

The use of the materials according to Directive 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.

EN AW 5083 H111	EN 573-3, EN 485-1	S	Wrought Aluminium Plate	3	50	AD 2000 W6/1	Ambient temperature
-----------------	--------------------	---	-------------------------------	---	----	--------------	---------------------



Remarks: +AT = solution annealed +N = normalized or normalizing formed +S = soft annealed
 +AR = as rolled +NT = normalized and tempered +SR = stress relieved
 +M = thermomechanical treated +QT = quenched and tempered A = PMA for the use in pressure equipment in Directive 2014/68/EU necessary