



DNV

DET NORSKE VERITAS

APPROVAL OF MANUFACTURER

CERTIFICATE

CERTIFICATE NO. AMM-4606

This is to certify that
AMAG Rolling GmbH
Ranshofen, Austria

is an approved manufacturer of
Wrought Aluminium Alloys

in accordance with
Det Norske Veritas' Rules for Classification Pt. 2

and the following particulars:

Product	Plates, Sheets from coil, Cladded and uncladded
Grades	See page 2
Max. thickness	See page 2
Remarks	See page 2

Place and date
Høvik, 2010-02-18
for DET NORSKE VERITAS AS

Helge Drange
Head of Section



Local Office
DNV Essen

This Certificate is valid until
2014-06-30

Sastry
Sastry Yagnanna Kandukuri
Surveyor

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



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Particulars of approval:

Product	Sheets from coil, Cladded and uncladded
Grades	Base material: AW 3003 H14 Clad material: AW 4004
Max. thickness	8 mm
Remarks	Intended for heat exchangers

Product	Plates
Grades	NV-5083 H116, H321 NV-5086 H116
Max. thickness	76.2 mm for NV-5083 25.4 mm for NV-5086
Remarks	For thicknesses over 50 mm mechanical properties shall be in accordance with a recognised standard.

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