

APPROVAL OF MANUFACTURER CERTIFICATE

This is to certify:

That

**Knauf Interfer Stahl Service Center GmbH
Nürtingen, Germany**

is an approved manufacturer of
Manufacture of decoiled products - Decoiling workshop

in accordance with
**DNV GL rules for classification – Ships
DNV GL class programme CP-0349 – Manufacture of decoiled products – Decoiling workshop**

and the following particulars:

Application area	Normal strength steel
Products	Plates and sheets from coil
Manufacturing method	De-coiling process, see page 2
Max. thickness	See page 2
Heat treatment condition	See page 2
Additional approval conditions	See page 2

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules. Materials to be applied to DNV GL classed object shall fulfill the material requirements in the applicable DNV GL class rules.

Issued at **Hamburg** on **2019-10-21**

for **DNV GL**

This Certificate is valid until **2022-10-20**.

DNV GL local station: **Augsburg**

Approval Engineer: **Stefan Röhr**

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Thorsten Lohmann
Head of Section



Particulars of the approval

Decoiling of coils in normal and high strength steel grades

Grade	Product	Max. thickness [mm]
VL A, VL B	Plates and sheets from coil	4
VL A32, VL A36, VL D32, VL D36	Plates and sheets from coil	4

Additional approval conditions

Decoiling of coils in hull a.m. hull structural steel grade from DNVGL approved rolling mills for the respective grades only

Decoiling by Fagor2 decoiling machine, Fagor Arrasate; Process specified with following quality documents: PB BL 02 dated on 2018-06-04

Decoiled plates and sheets shall fulfil the requirements of DNVGL-RU-Ship-Pt2Ch2 without restrictions of any kind

Charpy notched impact testing with sub-size test specimen (2.5 mm) acc. to DIN EN ISO 148-1