

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMT00000B3

This is to certify:

That the Manufacturer
Cobalt Blue Ltd.
Piraeus, Greece

is approved for the
Assembling of type approved hoses and couplings

The approval is granted on condition that
DNV GL class programme DNVGL-CP-0183 – Type approval – Flexible hoses

are complied with in all respect

Hose	Alfagomma:1SN-MINETUFF (Dunlop Hiflex: 1SN H1-TUFF)
Type	1SN
Size	DN6,8,10,12,16
Standard	EN 853

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules.

Issued at **Høvik** on **2019-01-02**

for **DNV GL**

This Certificate is valid until **2022-01-01**.

DNV GL local station: **Piraeus**

Approval Engineer: **Adel Samiei**

.....
Marianne Spæren Marveng
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in production facilities and methods may render this Certificate invalid.



Form code: AM 301

Revision: 2018-03

www.dnvgl.com

Page 1 of 2

Job Id: **263.11-009113-1**
Certificate No: **AMT00000B3**

Approval basis

Cobalt Blue Ltd. is approved as a hose assembling company to deliver type approved hose assemblies (hose & coupling types as described in the type approval certificate listed below) to DNV GL vessels.

Products

Holder of this certificate is authorized to assemble hoses and end fittings as specified in below type approval certificates and its subsequent identical revisions (if there is no change in the design of the products):

Certificate Number	Types	Sizes	Valid until
TAP000002W	Alfagomma: 1SN-MINETUFF (Dunlop Hiflex: 1SN H1-TUFF)	DN6,8,10,12,16	2019-06-30

Limitation

The approval is valid by considering all conditions in the relevant type approval certificate during the validity of current certificate as well as the relevant type approval certificate and authorization letter.

Each hose assembly is to be hydraulic pressure tested to 1.5 times the maximum working pressure before delivery and to be delivered from the certificate holder with pressure test report with reference to the type approval certificate and this certificate.

Approval Documentation

Authorization letter from Alfagomma dated 2018-10-31 (ref. number AUT 31/2018)
Initial assessment report 2018-11-28
Burst pressure test report
Report number A0547161-031018 dated 2018-10-17

Certificate Retention Survey

The AoM certificate is valid for three years with no intermediate assessment unless otherwise requested by the Society.