

# TYPE APPROVAL CERTIFICATE

## This is to certify:

**That the Flexible Hoses of Non-Metallic Material with Permanently Fitted Couplings**

with type designation(s)  
**PL EFESTO SD 25**

Issued to

**Ivg Colbachini S.P.A.**  
**Cervarese Santa Croce, PD, Italy**

is found to comply with

**DNVGL-OS-D101 – Marine and machinery systems and equipment, Edition January 2018**  
**DNV GL rules for classification – Ships Pt.4 Ch.6 Piping systems**  
**DNV GL class programme DNVGL-CP-0183 – Type approval – Flexible hoses**

## Application :

**Product(s) approved by this certificate is/are accepted for installation on vessels classed by DNV GL.**

**Temperature range:** -20°C to 82°C  
**Max. working press.:** 25 bar(g)  
**Sizes:** 3/4", 1", 2", 3", 4", 6" & 8"

Issued at **Høvik** on **2020-03-12**

This Certificate is valid until **2025-03-11**.

DNV GL local station: **Venice**

Approval Engineer: **Maheshraja Venkatesan**



for **DNV GL**  
Digitally Signed By: Zeinab Sharifi  
Location: DNV GL Høvik, Norway

**Zeinab Sharifi**  
**Head of Section**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

