

## EC TYPE-EXAMINATION CERTIFICATE ( Module B )

### Application Of:

Council Directive 96/98/EC of 20 December 1996 On Marine Equipment ( MED ) as modified by Commission Directives 98/85/EC, 2001/53/EC and **as amended by Commission Directive 2002/75/EC**

### Certificate N° 0987/MED-B/160

This Certificate consists of 2 pages

This is to certify that the product

### HYPRESS KAIZEN 2SN

(Nominal diameter from 5 mm. to 51 mm.)

MED annex A.1 item: A.1/3.15 (c)

Product type:

### MATERIALS OTHER THAN STEEL FOR PIPES CONVEYING OIL OR FUEL OIL: FLEXIBLE PIPE ASSEMBLIES

Supplied / Manufactured by:

### **I.M.M. Rubber Industries S.r.l.**

Zona Ind.le - Località Piazzano - 66041 ATESSA (CH) - Italy

Complies with the requirements in the following Regulations/Standards:

**Annex B, Module B in the above Directive and as applicable:**

1. SOLAS 74 as amended Reg II-2/15.2.8, II-22/18.2.2 Regulation X3 - IMO Res MSC.36(63) 7.5.4 (HSC Code) - Regulation II-2/4.2.2.5.6, Regulation X3.
2. ISO 15540 (1999); ISO 15541 (1999).

Further details of the product and conditions for certification are given overleaf



The Manufacturer is allowed to affix the Mark of conformity according to the Article 11 in the Council Directive 96/98/EC on Marine Equipment and issue a Declaration of Conformity, only when the Module D or E or F of Annex B in the same Directive is fully complied with.

Place and Date : Prato, 20/05/2008

Signature: Director of Notified Body N°0987

Dr. GianCarlo Corsini

This certificate is valid until 19/05/2013

This Certificate is issued under the Authority of Ministero delle Infrastrutture e dei Trasporti Comando Generale del Corpo delle Capitanerie di Porto according to Decreto Ministeriale 16 Giugno 2004 N° 236

**Product description:**

Appearance: black hose with fittings at both ends.  
 Technical data: I.M.M. Rubber Industries S.r.l. data sheet.  
 Internal hose composition: NBR synthetic rubber with two steel wire braids  
 External covering: NBR/PVC synthetic rubber  
 Weight: 0,310÷2,850 kg/m according to hose diameter.  
 Nominal diameter: from 5 mm. to 51 mm.  
 Working pressure: from 80 bar to 420 bar according to the hose diameter.

**Applications/limitations**

- The material fulfils the requirements of **ISO 15540 (1999)** as referred to in Directive 2002/75/EC, item A.1/3.15 (c)

The compliance is valid for:

1. All the colours
2. All the nominal hose diameters from 5 mm (3/16") to 51 mm (2"), these extremes included.

The compliance is valid moreover provided that:

1. The composition and the structure of the hose remains the same as the one declared
2. The fittings remain the same as the ones relative supplied for the type examination.

**Type approval documentation:**

Product	Test Report	Issued by
HYPRESS KAIZEN 2SN DN 5	• 591.0IS0110/08 - ISO 15540: 1999 <i>Fire resistance of hose assemblies</i>	LAPI Laboratorio Prevenzione Incendi SpA
HYPRESS KAIZEN 2SN DN 25 <sup>(*)</sup>	• 592.0IS0110/08 - ISO 15540: 1999 <i>Fire resistance of hose assemblies</i>	- Italy - Notified Testing Body N° 0987
HYPRESS KAIZEN 2SN DN 51	• 593.0IS0110/08 - ISO 15540: 1999 <i>Fire resistance of hose assemblies</i>	EN 17025 Accredited Laboratory IMO Testing Laboratory FP 034

**Note<sup>(\*)</sup>:** The material has been sampled by DNV Milan.

===== **End of Document** =====

