

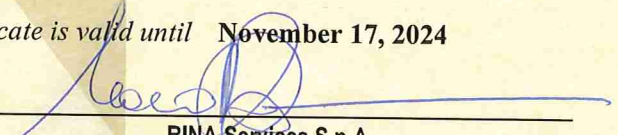


**TYPE APPROVAL CERTIFICATE**  
No. MAC338819CS/004

**This is to certify** that the product identified below is in compliance with the regulations herewith specified.

<i>Description</i>	<b>Plastic pipes and fittings</b>
<i>Type</i>	<b>COPRAX</b>
	<b>SDR 7.4 - PN16</b>
<i>Applicant</i>	<b>PRANDELLI S.P.A.</b>
	<b>VIA RANGO 58</b>
	<b>25065 LUMEZZANE S.S. (BS)</b>
	<b>ITALY</b>
<i>Manufacturer</i>	<b>PRANDELLI S.P.A.</b>
<i>Place of manufacture</i>	<b>VIA RANGO 58</b>
	<b>25065 LUMEZZANE S.S. (BS)</b>
	<b>ITALY</b>
<i>Reference standards</i>	<b>Parte C, Capitolo 1, Appendice 3 delle Norme RINA</b>

Issued in **Genoa** on **November 18, 2019**. This Certificate is valid until **November 17, 2024**

  
RINA Services S.p.A.  
**Marco Dardano**

This certificate consists of this page and 1 enclosure



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No. MAC338819CS/004

Enclosure - Page 1 of 2

**COPRAX**

**Reference Documents**

COPRAX System Catalogue "Prandelli's range 2019"

**Materials**

PP-Copolymer Random (PP-R)  
PP-R fittings for welding  
PP-R fittings with metallic insert

**Technical Data**

Reference Standard for the pipe: UNI EN ISO 15874

OD and thickness:

OD (mm)	Thickness (mm)
32	4,4
40	5,5
50	6,9
63	8,6
75	10,3
90	12,3
110	15,1
125	17,1

PN: 16 bar at ambient temperature.

Max. working pressure at 60°C: 8 bar.

For different temperatures reference is to be made to Manufacturer's Specifications.

**Field of application**

Sanitary plants, heating systems and air conditioning systems where low flame spread characteristics are required in accordance with Para. 2.3.2. and Tab. 1 of Part C, Chapter 1, Appendix 3 of RINA Rules.

**Remarks**

Installation onboard is to be carried out in accordance with the Manufacturer's instructions.

Pipes and fittings marking is to be in accordance with Para. 2.1.2 of a.m. Appendix 3.

Where plastic pipes pass through "A" or "B" class divisions, arrangements are to be made to ensure that fire endurance is not impaired. These arrangements are to be tested in accordance with "Recommendations for Fire Test Procedures for "A", "B" and "F" Bulkheads" (IMO Resolution A754 (18) as amended) [Para.3.6.1 of Appendix 3].

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**Enclosure - Page 2/2**

**COPRAX**

Prior to installation onboard pipes and fittings are to undergo workshop tests at Manufacturer's premises in accordance with Para. 4.2 and, after installation onboard, in accordance with Para. 4.3 of the a.m. Appendix 3.

Installation onboard ships built and classed in compliance with RINA "Rules for the Classification of High Speed Crafts" is subject to full compliance with requirements of IMO Resolution A.753(18).

**Genoa 18/11/2019**

  
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