

DECLARATION OF PERFORMANCE

In accordance with annex III of regulation (EU) 305/2011

1. Unique identification code of the product-type: **POLYPROPYLENE COPOLYMER PRESSURE PIPES MADE OF PP-R/AL/PP-R (RANDOM COPOLYMER")**

2. Intended use/es: **Plastics piping systems for hot and cold water installations**

3. Manufacturer: **KALDE KLİMA ORTA BASINÇ FİTTİNGS VE VALF SAN. A.Ş.**

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registered trade mark



4. Authorised representative: **Not applicable**

5. System/s of AVCP: **System 1+**

6a. Harmonised standard: **HR 3-53 multilayer plastics piping systems for hot and cold water installations – Polypropylene**

Notified body/ies: **Initial type testing carried out by SKZ WURZBURG Performed determination of product type under system 1,**

6b. European Assessment Document: **Not applicable**

European Technical Assessment: **Not applicable**

Technical Assessment Body: **Not applicable**

7. Declared performance/s:

parameters	Norm	Status
1. Resistance to internal pressure		
- Test temperature 20 °C, Hydrostatic stress 16 MPa, test time, hour	1	complies
- Test temperature 95 °C, Hydrostatic stress 4,3 MPa, test time, hour	22	complies
- Test temperature 95 °C, Hydrostatic stress 3,5 MPa, test time, hour	1000	complies

KALDE KLİMA ORTA BASINÇ FİTTİNGS VE VALF SANAYİ A.Ş.

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2. Longitudinal (heat) reversion, should be less than ≤ 2 %	≤ 2.0	0,6
3. Thermal stability by hydrostatic pressure testing - Test temperature 110°C, Hydrostatic stress 1,9MPa, test time, hour	8760	complies
4. Impact resistance, broken samples should be less than ≤ 10 %	10	0
5. Delamination should be bigger ≥ 15 N/cm	≥ 15 N/cm	75
5. Melt flow rate, 30% maximum difference compared with compound	30	8

8. Appropriate Technical Documentation and/ or Specific Technical Documentation: N/A

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Name and fuction: **Hüseyin YILMAZ, Quality Manager**

Place and date of issue: İSTANBUL – 25.07.2014

Hüseyin YILMAZ
Quality Manager

Kalde Klima[®]
ORTA BASINÇ FITTINGS VE VALF SANAYİ A.Ş.
SERMAYESİ: 900 000 000 000 TL