1. Name and trade name of building product:

   System KAN-therm PP-R- Pipe
   - PN10 (S5/SDR11) DN 20 – DN 110,
   - PN16 (S3,2/SDR7,4) DN 20 – DN 110
   - PN20 (S2,5/SDR6) DN 16 – DN 110

2. Designation type of building product:

   System KAN-therm PP Pipe

3. Intended use or uses:

   For use in internal installations of cold and hot utility water, drinking water, chilled water, compressed air, central heating radiator and cooling systems using water glycol solutions in accordance with the "Designer's and contractor's guide" published by KAN Sp. z o.o., catalog and the guidelines of the KAN Technical Department.

4. Name and address of the producer and place of manufacture:

   KAN Sp. z o.o.
   Zdrojowa 51 PL-16-001 Białystok-Kleosin
   Poland
   www.kan-therm.com e-mail: kan@kan-therm.com

5. Name and address of the authorized representative, if appointed: not applicable

6. Domestic system used for assessment and verification of performance constancy:

   System 3 and 4

7. Domestic technical specification:

   7a. Polish product standard:

   PN-EN ISO 15874-2:2013-06 - Plastics piping systems for hot and cold water installations. Polypropylene (PP) . Part 2: Pipes

   Name of the accredited laboratory and accreditation number:

   TGM – accreditation A0077

   7b. Domestic technical assessment:

   Not applicable.

8. Declared performance:

Essential characteristics of the construction product for the intended use or uses	Declared performance	Remarks
Geometric features	S5; S 3,2; S2,5 accordance to PN-EN ISO 15874-2:2013-06 p. 6.2	
Mechanical properties	Internal pressure resistance : 16 MPa - 20°C, 1h; 4,3 MPa - 95°C, 22h; 3,8 MPa - 95°C, 165h, 3,5 MPa - 95°C, 1000h Longitudinal revision $\leq$2 % Impact resistance 0°C $\leq$ 10 %	PN-EN ISO 15874-2:2013-06 p.7 tab. 10 i p.8 tab.11
Physical properties	Application class: - PN10 (S5/SDR11) - 20 °C, 10 bar - PN16 (S3,2/SDR7,4) – clasa 1/8 bar, 2/6 bar, 4/10 bar, 5/6 bar - PN20 (S2,5/SDR6) - class 1/10 bar, 2/8 bar, 4/10 bar, 5/6 bar	
Marking	Accordance to: PN-EN ISO 15874-2:2013-06	
Reaction to fire	Class F	
Impact on drinking water	Approved for contact with drinking water	PZH BK/W/0710/01/2019, PCA accreditation Nr AB 509

9. The performance of the product described above is in accordance with all of the declared performance characteristics mentioned in point 8. This national declaration of performance is issued in accordance with the Act of 16 April 2004 regarding construction products, under the sole responsibility of the manufacturer.

On behalf of manufacturer signed by:

Manager of the Quality Assurance Department

Kleosin – 07.06.2021
(place – date of issue)

Janusz Żukowski
(signature)