1. Name and trade name of building product:

   System KAN-therm Stabi pipes PP-R/Al/PP-R stabilized by aluminium layer:
   - 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 – PP-R Stabi 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, where the working medium is water or a water-glycol solution (up to 50%)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

7. National technical specification:

   7a. Polish product standard:

   Not applicable.

   7b. National technical assessment:

   ITB-KOT-2021/1904 edition 1 - Multilayer pipes PP-R / Al / PP-R KAN-therm PP Stabi stabilized with an aluminum layer of the KAN-therm PP system

   ITB Warsaw - PCA accreditation No.AC 020.

8. Declared performance:

Essential characteristics of the construction product for the intended use or uses	Declared performance	Remarks
Geometric features	In Appendix, tables A1, A2	PN-EN ISO 3126:2006
Mass melt flow rate MFR (2.16 kg: 230°C), g / 10min.	Maximum change as a result processing the raw material into pipes: ΔMFR ± 30%	PN-EN ISO 1133-1:2011
Longitudinal revision	≤2 % No damage in the form of blisters, delamination or cracks	PN-EN ISO 2505:2006 Test parameters: temp. 135°C, time : - 1h, for e < 8 mm - 2h, for 8 mm≤e≤16mm
Charpy impact resistance at 0°C: defectiveness (number of damaged samples),%	< 10	ISO 9854-1 i 2:1994 Test parameters : PN-EN ISO 15874-2:2013
Strength of pipes to internal pressure	No leaks or damage	p.3.2.1 table 4
Joints resistance to cyclic temperature changes	No leaks or damage	PN-EN 19893:2018 Test parameters : PN-EN ISO 15874-5:2013
Joint tightness under internal pressure	No leaks or damage	PN-EN ISO 1167-1 i 2 :2007 Test parameters : PN-EN ISO 15874-5:2013
Delamination resistance N/cm	≥15	ISO 17454:2016
Reaction to fire	Class E	
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 – 06.12.2021
(place – date of issue)

Janusz Żukowski
(signature)