1. Name and trade name of building product:

   KAN-therm System PE-RT 5W Type II with EVOH pipes in insulation [Ø16-32 mm]

2. Designation type of building product:

   KAN-therm System PE-RT 5W Type II with EVOH pipes in insulation

3. Intended use or uses:

   For use in indoor installations of cold and hot utility water, drinking water, central radiator and installations using glycol water solutions in accordance with the "Designer's and contractor's guide" issued by KAN Sp. z o.o., the catalog of the KAN-therm System 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. National system used for assessment and verification of performance constancy:

   System 3 and 4

7. National technical specification:

   7a. Polish product standard:

   PN-EN ISO 21003-2:2009/A1:2011- Multilayer piping systems for hot and cold water installations inside buildings - Part 2: Pipes.
   PN-EN 14313:2016-04 – Thermal insulation products for building equipment and industrial installations - Factory made polyethylene foam (PEF) products – Specification.

   Name of the accredited laboratory and accreditation number:

   SKZ - Testing GmbH, akredytacja DAkkS nr D-PL-19033-01-00

   7b. National technical assessment:

   Not applicable.

8. Declared performance:

| Essential characteristics of the construction product for the intended use or uses | Declared performance | Remarks |
|---|---|---|
| Geometric features | Accordance to KAN specifications and PN-EN ISO 21003-2:2009<br>Insulation thickness 6 mm | |
| Mechanical properties | Design internal pressure resistance determined in accordance with PN-EN ISO 21003-2:2009/A1:2011<br>For pipes:12x2, 14x2, 18x2,5, 25x3,5, 32x4,4<br>Class 2/10 bar ; class 5/10 bar<br>For pipes 16x2<br>Class 2/10 bar; class 5/8 bar<br>For pipes 17x2<br>Class 4/6 bar; class 5/6 bar<br>For pipes 18x2<br>Class 2/10 bar; class 5/8 bar<br>For pipes 20x2<br>Class 2/8 bar; class 5/6 bar | |
| Physical properties | Thermal stability :<br>$T_{max}$= 90 °C ($T_{mal}$ = 100 °C)<br>Thermal conductivity of the insulation<br>λ at avg. 40 ° C - 0.036W / mK | |
| Marking | Accordance to:<br>PN-EN ISO 21003-2:2009/A1:2011 | |
| Reaction to fire | Class E | |
| Impact on drinking water | Approved for contact with drinking water | Hygienic certificate PZH B-BK-60210-1265/19,<br>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 – 10.06.2021
(place – date of issue)

Janusz Żukowski
(signature)