# Declaration of performances
# DoP N° SGIK-01

1. **Unique identification code of the product-type:**

   Cryolene 682 Tissue 50-150mm

2. **Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of the CPR:**

   See product label

3. **Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:**

   Thermal insulation of Building Equipment and Industrial Installations (ThIBEII)

4. **Name, registered trade name or registered trade mark and contact address of the manufacturer:**

   Saint-Gobain ISOVER Korea Co., Ltd.

   70, Bugokgongdan 1-gil, Songak-eup, Dangjin-si, Chungcheongnam-do, Republic of Korea

   www.isover.co.kr/DoP-SGIK-01

5. **Name and contact address of the authorized representative:**

   Not relevant

6. **System(s) of Assessment and Verification of Constancy of Performance of the construction product:**

   AVCP System 1 for Reaction to fire.

   AVCP System 3 for other characteristics.

7. **a) Case a construction product covered by a harmonized standard:**

   EN 14303:2009 + A1:2013

   **Notified Body(ies):**

- CSI SPA (Notified Body n°0497) performed the determination of the product-type on the basis of type testing (including sampling); initial inspection of the manufacturing plant and of factory production control; continuous surveillance, assessment and evaluation of factory produc

tion control; under system1. And issued a certificate of constancy of performance according EN 14303:2009 + A1:2013

- LNE (Notified testing laboratory n°0071) performed the test reports for the other relevant dec lared characteristics.

b) Case of a construction product for which a European Technical Assessment has been issued:

Not applicable

## 8. Declared performance:

All characteristics listed in the table under are determined in harmonized standard EN 14303:2009 + A1:2013

| Essential characteristics | | Performance |
|---|---|---|
| | | Cryolene 682 Tissue |
| Thermal resistance | Thermal Conductivity ($\lambda$) | W/(m·K) |
| | -150℃ | 0.013 |
| | -120℃ | 0.017 |
| | -100℃ | 0.019 |
| | -45℃ | 0.026 |
| | 0℃ | 0.033 |
| | +10℃ | 0.035 |
| | Dimensions and tolerances | $d_D$=50mm – 150mm and T3 |
| Reaction to fire – Euroclass Characteristics | | A2-s1, do |
| Durability of thermal resistance against ageing/degradation | Thermal Conductivity | (b) |
| | Dimensions and tolerances | See above |
| | Dimensional stability, or Maximum Service Temperature | NPD |
| Durability of thermal resistance against high temperature | Dimensions and tolerances | See above |
| Durability of reaction to fire against ageing/degradation | | (a) |
| Durability of reaction to fire against high temperature | Durability characteristics | (c) |
| Compressive strength | Compressive stress or compressive strength for flat products | NPD |
| Water permeability | Dimensional stability, or Maximum Service Temperature | NPD |
| Water vapour permeability | Water vapour diffusion resistance | NPD |
| Rate of release of corrosive substances | Trace quantity of ions Cl- | NPD |
| | Trace quantity of ions F | NPD |
| | Trace quantity of ions sio3+ | NPD |
| | Trace quantity of ions Na+ | NPD |
| | Value of ph | NPD |
| Acoustic absorption index | | NPD |

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| | | |
|---|---|---|
| Release of dangerous substances | Release of dangerous substances | NPD |
| Continuous glowing combustion | Continuous glowing combustion (b) | NPD |

NPD : No Performance Determined

(a) The fire performance of mineral wool does not deteriorate with time. The euroclass classification of the product is related to the organic content, which cannot increase with time.
(b) Thermal conductivity of mineral wool products does not change with time, experience has shown the fibre structure to be stable and the porosity contains no other gases than atmospheric air.
(c) The fire performance of mineral wool does not deteriorate with high temperature. The Euroclass classification of the product is related to the organic content, which remains constant or decreases with high temperature.

**9. The performance of the product identified in point 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.**

Signed for and on behalf of the manufacturer by:

**Hyunchul Park**
Quality Manager
Dangjin plant(Korea), 18/06/2024