

Declaration of Performance

DoP CZ0001-023

1 Unique identification code of the product-type: S01 04

Product/s:

Isover NF 333

2 Intended use or uses: Thermal insulation for buildings (ThB)

3 Manufacturer:

Saint - Gobain Construction Product CZ a.s.
Smrčkova 2485/4, 180 00 Prague 8 – Libeň
Czech Republic
IČO: 25029673, DIČ: CZ 25029673

4 Authorised representative:

not relevant

5 System/s of AVCP:

System 1
System 3

6 Notified body/ies:

1390

Centrum stavebního inženýrství a.s. Praha

Harmonised standard:

EN 13162:2012+A1:2015

| Essential characteristics | Performance | Abbreviation | Unit | Declared performance |
|---|--|-----------------|----------------------|----------------------|
| Reaction to fire | Reaction to fire | RtF | Euroclass | A1 |
| Release of Dangerous Substances | Release of Dangerous Substances | - | - | NPD |
| Acoustic absorption index | Sound absorption | - | - | NPD |
| Impact Noise Transmission Index | Dynamic stiffness | SDi | MN/m ³ | NPD |
| | Thickness | d _L | mm | 20-300 |
| | Compressibility | c | mm | NPD |
| | Air flow resistivity | AF _r | kPa.s/m ² | NPD |
| Direct airborne sound insulation index | Air flow resistivity | AF _r | kPa.s/m ² | NPD |
| Continuous glowing combustion | Continuous glowing combustion | - | - | NPD |
| Thermal Resistance | Thermal Resistance | R _D | m ² K/W | a) |
| | Thermal Conductivity | λ _D | W/m K | 0,041 |
| | Thickness | d _N | mm | NPD |
| | Thickness Class | Ti | Class | T5 |
| Water Permeability | Short term Water absorption | W _p | kg/m ² | 1 |
| | Long term water absorption | W _{lp} | kg/m ² | 3 |
| Water vapour diffusion resistance factor μ | Water vapour diffusion resistance factor μ | MU | - | 1 |
| Compressive strength | Compressive stress or compressive strength | CS(Y) | kPa | NPD |
| | Point Load | F _p | N | NPD |
| Durability of reaction to fire against heat, weathering, ageing/degradation | Reaction to fire | RtF | Euroclass | A1 |
| Durability of thermal resistance against heat, weathering, ageing/degradation | Thermal Resistance | R _D | m ² K/W | a) |
| | Thermal Conductivity | λ _D | W/m K | 0,041 |
| | Durability Characteristics | d | mm | NPD |
| Tensile/Flexural strength | Tensile Strength perpendicular to faces | TR | kPa | 80 |
| Durability of compressive strength against heat, weathering, ageing/degradation | Compressive creep | Xct, Xt | mm | NPD |

a) The parameter R is dependent on the thickness of the final product - see Table 2

Table 2

| Thickness [mm] | 20 | 30 | 40 | 50 | 60 | 70* | 80 | 100 | 120 | 140 | 150 | 160 | 180 | 200 | 220* | 240* | 260* | 280* | 300* |
|---|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------|---------|---------|---------|
| Length x width [mm] | 1000 x 333 | | | | | | | | | | | | | | | | | | |
| Volume per package [m ³] | 8 | 8 | 4 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Quantity per palette [m ²] | 10.00 | 6.66 | 5.00 | 4.00 | 2.66 | 2.66 | 2.00 | 2.00 | 1.33 | 1.00 | 1.33 | 1.00 | 1.00 | 0.67 | 0.67 | 13.32** | 13.32** | 10.66** | 10.66** |
| Declared thermal resistance R _D [m ² ·K·W ⁻¹] | 0.45 | 0.70 | 0.95 | 1.20 | 1.45 | 1.70 | 1.95 | 2.40 | 2.90 | 3.40 | 3.65 | 3.90 | 4.35 | 4.85 | 5.35 | 5.85 | 6.30 | 6.80 | 7.30 |

Specification code:

MW-EN 13162-T5-DS(70,90)-TR80-WS-WL(P)-MU1

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

Jiří Šulák
Name
Plant director
Function



Častolovice
Place
1.5.2018
Date

ISOVER
SAINT-GOBAIN

e-mail: info@isover.cz, www.isover.cz