Declaration of performance

No. 0615-CPR-95804G-B210-2014/07/09

1. Unique identification code of the product-type:
   ISOVER VV-041F

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):
   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 for buildings

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):
   Saint-Gobain Rakennustuotteet Oy, ISOVER
   P.O Box 250
   FI-05801 Hyvinkää
   Finland
   www.isover.fi

5. Name and contact address of the authorized representative:
   Not applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:
   AVCP System 1 for Reaction to fire
   AVCP System 3 for other characteristics

7. Case a construction product covered by a harmonized standard:
   Bureau Veritas Certification (Notified Body No. 0615)
   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 production control; under system 1
   and issued a certificate of constancy of performance.

   Notified testing laboratory performed also all relevant test reports for other declared characteristics according to harmonized standard.

8. Case of a construction product for which a European Technical Assessment has been issued:
   Not applicable

9. Declared performance:

All characteristics listed in the table hereunder are determined in harmonized standard **EN 14064-1:2010**.

Essential characteristics		**Performance**
Reaction to fire - Euroclass Characteristics	Euroclass Characteristics	A1
Water permeability	Water absorption	NPD
Release of dangerous substances to the indoor environment	Release of dangerous substances	(a)
Acoustic absorption index	Sound absorption	NPD
Thermal resistance	Thermal conductivity	λ_D = 0,041 W/mK Density 15 kg/m^3
	Thickness	See performance chart (Annex 1)
Water vapour permeability	Water vapour transmission	MU1
Continuous glowing combustion	Continuous glowing combustion	(b)
Durability of reaction to fire against ageing/degradation	-	A1
Durability of thermal resistance against, ageing/degradation	Thermal conductivity	λ_D = 0,041 W/mK Density 15 kg/m^3
	Settlement	S2

NPD = No performance determined
(a) European test methods are under development.
(b) A test method is under development and the standard will be amended when this is available.

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.
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:

Jussi Jokinen, Development manager ISOVER, Saint-Gobain Rakennustuotteet Oy

Hyvinkää 9.7.2014

Annex 1: Performance chart

Annex 1: Performance chart

Tuuletetun yläpohjan lämmöneristys **Performance chart for loft applications** **Sottotetto non abitabile** **Теплоизоляция вентилируемой верхней кровли/чердака** **MW-EN14064-1-S2-MU1**				
Paketin paino, Package weight, Peso del sacco, Вес упаковки		16		kg, Кг
Puhallustiheys, Blow-density, Densità di applicazione, Плотность задува		15		kg/m^3, $Кг/м^3$
Ilmoitettu lämmönjohtavuus, λ_D Declared thermal conductivity, λ_D Conducibilità termica dichiarata, λ_D Коэффициент теплопроводности, λ_D		41		mW/mK, мВт/мК
Ilmoitettu lämmönvastustaso R_D (m^2K/W) Declared thermal resistance level R_D (m^2K/W) Resistenza termica dichiarata R_D (m^2K/W) Заявленное сопротивление теплопередаче	Eristekerroksen paksuus (mm) Thickness after settlement (mm) Spessore finale (post assestamento) (mm) Толщина утеплительного слоя (мм)	Puhallettava minimipaksuus (mm) Minimum installed thickness (mm) Spessore minimo da applicare (pre assestamento) (mm) Минимальная толщина при задувке (мм)	Neliöpaino (kg/m^2) Minimum coverage (kg/m^2) Peso sul solaio (kg/m^2) Масса квадратного метра ($Кг/м^2$)	Lämmöneristeen vähimmäismäärä, pkt/100 m^2 Minimum bag usage rate, bags per 100 m^2 Numero di sacchi necessario per 100 m^2 Минимальное количество утеплителя шт/100 $м^2$
4,0	164	175	2,6	16,4
4,5	185	195	2,9	18,3
5,0	205	220	3,3	20,6
5,5	226	240	3,6	22,5
6,0	246	260	3,9	24,4
6,5	267	280	4,2	26,3
7,0	287	305	4,6	28,6
7,5	308	325	4,9	30,5
8,0	328	345	5,2	32,3

Ilmoitettu lämmönvastustaso R_D (m^2K/W) Declared thermal resistance level R_D (m^2K/W) Resistenza termica dichiarata R_D (m^2K/W) Заявленное сопротивление теплопередаче	Eristekerroksen paksuus (mm) Thickness after settlement (mm) Spessore finale (post assestamento) (mm) Толщина утеплительного слоя (мм)	Puhallettava minimipaksuus (mm) Minimum installed thickness (mm) Spessore minimo da applicare (pre assestamento) (mm) Минимальная толщина при задувке (мм)	Neliöpaino (kg/m^2) Minimum coverage (kg/m^2) Peso sul solaio (kg/m^2) Масса квадратного метра ($Кг/м^2$)	Lämmöneristeen vähimmäismäärä, pkt/100 m^2 Minimum bag usage rate, bags per 100 m^2 Numero di sacchi necessario per 100 m^2 Минимальное количество утеплителя шт/100 $м^2$
8,5	349	370	5,6	34,7
9,0	369	390	5,9	36,6
9,5	390	410	6,2	38,4
10,0	410	435	6,5	40,8
10,5	431	455	6,8	42,7
11,0	451	475	7,1	44,5
11,5	472	500	7,5	46,9
12,0	492	520	7,8	48,8
12,5	513	540	8,1	50,6
13,0	533	560	8,4	52,5