

# Declaration of Performance



Timber Frame Roll 35 & 40 /  
Timber Frame Batt 32, 35, 40 & 43



<b>1 Unique identification code of the product type:</b>	Timber Frame Roll 35 & 40 Timber Frame Batt 32, 35, 40 & 43
<b>2 Intended use/s:</b>	Thermal Insulation for Buildings (ThIB)
<b>3 Manufacturer:</b>	Saint-Gobain Isover UK Limited Saint-Gobain House, East Leake, Loughborough, Leicestershire, LE12 6JU
<b>4 Authorised representative:</b>	N/A
<b>5 System/s of AVCP:</b>	System 1 (Reaction to fire) System 3
<b>6 Designated Standard:</b> <b>Approved body/ies:</b>	BS EN 13162:2012 + A1:2015 Approved body Warringtonfire Testing and Certification Limited No.1121 performed, carried out the determination of the product type, the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of constancy of performance (1121-CPR-7001) for Reaction to fire.

# Declaration of Performance



Timber Frame Roll 35 & 40 /  
Timber Frame Batt 32, 35, 40 & 43



## 7 Declared performance/s:

Harmonised Technical Specification: BS EN 13162:2012 + A1:2015

Essential characteristics	Performance	Unit	Declared Performance					
			Timber Frame Roll 35 (2x570)			Timber Frame Roll 35 (2x600)	Timber Frame Roll 35 (3x400)	
Product name			Timber Frame Roll 35 (2x570)			Timber Frame Roll 35 (2x600)	Timber Frame Roll 35 (3x400)	
Reaction to fire		Euroclass	A1					
Release of dangerous substances to the indoor environment	Release of dangerous substances (e)		NPD					
Acoustic absorption index	Sound absorption		NPD					
Impact noise transmission index	Dynamic stiffness		NPD					
	Thickness		NPD					
	Compressibility		NPD					
	Air flow resistivity		NPD					
Direct airborne sound insulation index	Air flow resistivity		NPD					
Continuous glowing combustion	Continuous glowing combustion (e)		NPD					
Thermal resistance	Thermal resistance	m <sup>2</sup> .K/W	1.40	2.55	2.85	4.00	3.40	4.00
	Thermal conductivity	W/m.K	0.035	0.035	0.035	0.035	0.035	0.035
	Thickness	mm	50	90	100	140	120	140
	Thickness class		T1	T1	T1	T1	T1	T1
Water permeability	Short term water absorption		NPD					
	Long term water absorption		NPD					
Water vapour permeability	Water vapour transmission		NPD					
Compressive strength	Compressive stress or compressive strength		NPD					
	Point load		NPD					
Durability of Reaction to fire against heat, weathering, ageing/degradation	Durability characteristics (a)	Euroclass	A1					
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance (b)	m <sup>2</sup> .K/W	1.40	2.55	2.85	4.00	3.40	4.00
	Thermal conductivity (b)	W/m.K	0.035	0.035	0.035	0.035	0.035	0.035
	Durability characteristics (c)		NPD					
Tensile/flexural strength	Tensile strength perpendicular to faces (d)		NPD					
Durability of compressive strength against heat, weathering, ageing/degradation	Compressive creep		NPD					

NPD = No Performance Determined

(a) No change in Reaction to fire properties for mineral wool products. 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.

(c) For dimensional stability thickness only.

(d) This characteristic also covers handling and installation.

(e) European test methods are under development.

# Declaration of Performance

Timber Frame Roll 35 & 40 /  
Timber Frame Batt 32, 35, 40 & 43



## 7 Declared performance/s:

Harmonised Technical Specification: BS EN 13162:2012 + A1:2015

Essential characteristics	Performance	Unit	Declared Performance	
Product name			Timber Frame Roll 40	
Reaction to fire		Euroclass	A1	
Release of dangerous substances to the indoor environment	Release of dangerous substances (e)		NPD	
Acoustic absorption index	Sound absorption		NPD	
Impact noise transmission index	Dynamic stiffness		NPD	
	Thickness		NPD	
	Compressibility		NPD	
	Air flow resistivity		NPD	
Direct airborne sound insulation index	Air flow resistivity		NPD	
Continuous glowing combustion	Continuous glowing combustion (e)		NPD	
Thermal resistance	Thermal resistance	m <sup>2</sup> .K/W	2.25	3.50
	Thermal conductivity	W/m.K	0.040	0.040
	Thickness	mm	90	140
	Thickness class		T1	T1
Water permeability	Short term water absorption		NPD	
	Long term water absorption		NPD	
Water vapour permeability	Water vapour transmission		NPD	
Compressive strength	Compressive stress or compressive strength		NPD	
	Point load		NPD	
Durability of Reaction to fire against heat, weathering, ageing/degradation	Durability characteristics (a)	Euroclass	A1	
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance (b)	m <sup>2</sup> .K/W	2.25	3.50
	Thermal conductivity (b)	W/m.K	0.040	0.040
	Durability characteristics (c)		NPD	
Tensile/flexural strength	Tensile strength perpendicular to faces (d)		NPD	
Durability of compressive strength against heat, weathering, ageing/degradation	Compressive creep		NPD	

NPD = No Performance Determined

(a) No change in Reaction to fire properties for mineral wool products. 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.

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(e) European test methods are under development.

# Declaration of Performance

Timber Frame Roll 35 & 40 /  
Timber Frame Batt 32, 35, 40 & 43



## 7 Declared performance/s:

Harmonised Technical Specification: BS EN 13162:2012 + A1:2015

Essential characteristics	Performance	Unit	Declared Performance	
Product name			Timber Frame Batt 32	
Reaction to fire		Euroclass	A1	
Release of dangerous substances to the indoor environment	Release of dangerous substances (e)		NPD	
Acoustic absorption index	Sound absorption		NPD	
Impact noise transmission index	Dynamic stiffness		NPD	
	Thickness		NPD	
	Compressibility		NPD	
	Air flow resistivity		NPD	
Direct airborne sound insulation index	Air flow resistivity		NPD	
Continuous glowing combustion	Continuous glowing combustion (e)		NPD	
Thermal resistance	Thermal resistance	m <sup>2</sup> .K/W	1.55	2.80
	Thermal conductivity	W/m.K	0.032	0.032
	Thickness	mm	50	90
	Thickness class		T4	T4
Water permeability	Short term water absorption		NPD	
	Long term water absorption		NPD	
Water vapour permeability	Water vapour transmission		NPD	
Compressive strength	Compressive stress or compressive strength		NPD	
	Point load		NPD	
Durability of Reaction to fire against heat, weathering, ageing/degradation	Durability characteristics (a)	Euroclass	A1	
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance (b)	m <sup>2</sup> .K/W	1.55	2.80
	Thermal conductivity (b)	W/m.K	0.032	0.032
	Durability characteristics (c)		NPD	
Tensile/flexural strength	Tensile strength perpendicular to faces (d)		NPD	
Durability of compressive strength against heat, weathering, ageing/degradation	Compressive creep		NPD	

NPD = No Performance Determined

(a) No change in Reaction to fire properties for mineral wool products. The fire performance of mineral wool does not deteriorate with time.

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(b) Thermal conductivity of mineral wool products does not change with time.

(c) For dimensional stability thickness only.

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(e) European test methods are under development.

# Declaration of Performance

Timber Frame Roll 35 & 40 /  
Timber Frame Batt 32, 35, 40 & 43



## 7 Declared performance/s:

Harmonised Technical Specification: BS EN 13162:2012 + A1:2015

Essential characteristics	Performance	Unit	Declared Performance			
Product name			Timber Frame Batt 35			
Reaction to fire		Euroclass	A1			
Release of dangerous substances to the indoor environment	Release of dangerous substances (e)		NPD			
Acoustic absorption index	Sound absorption		NPD			
Impact noise transmission index	Dynamic stiffness		NPD			
	Thickness		NPD			
	Compressibility		NPD			
	Air flow resistivity		NPD			
Direct airborne sound insulation index	Air flow resistivity		NPD			
Continuous glowing combustion	Continuous glowing combustion (e)		NPD			
Thermal resistance	Thermal resistance	m <sup>2</sup> .K/W	2.55	2.85	4.00	4.25
	Thermal conductivity	W/m.K	0.035	0.035	0.035	0.035
	Thickness	mm	90	100	140	150
	Thickness class		T4	T4	T4	T4
Water permeability	Short term water absorption		NPD			
	Long term water absorption		NPD			
Water vapour permeability	Water vapour transmission		NPD			
Compressive strength	Compressive stress or compressive strength		NPD			
	Point load		NPD			
Durability of Reaction to fire against heat, weathering, ageing/degradation	Durability characteristics (a)	Euroclass	A1			
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance (b)	m <sup>2</sup> .K/W	2.55	2.85	4.00	4.25
	Thermal conductivity (b)	W/m.K	0.035	0.035	0.035	0.035
	Durability characteristics (c)		NPD			
Tensile/flexural strength	Tensile strength perpendicular to faces (d)		NPD			
Durability of compressive strength against heat, weathering, ageing/degradation	Compressive creep		NPD			

NPD = No Performance Determined

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Timber Frame Roll 35 & 40 /  
Timber Frame Batt 32, 35, 40 & 43



## 7 Declared performance/s:

Harmonised Technical Specification: BS EN 13162:2012 + A1:2015

Essential characteristics	Performance	Unit	Declared Performance	
Product name			Timber Frame Batt 40	
Reaction to fire		Euroclass	A1	
Release of dangerous substances to the indoor environment	Release of dangerous substances (e)		NPD	
Acoustic absorption index	Sound absorption		NPD	
Impact noise transmission index	Dynamic stiffness		NPD	
	Thickness		NPD	
	Compressibility		NPD	
	Air flow resistivity		NPD	
Direct airborne sound insulation index	Air flow resistivity		NPD	
Continuous glowing combustion	Continuous glowing combustion (e)		NPD	
Thermal resistance	Thermal resistance	m <sup>2</sup> .K/W	2.55	3.50
	Thermal conductivity	W/m.K	0.040	0.040
	Thickness	mm	90	140
	Thickness class		T3	T3
Water permeability	Short term water absorption		NPD	
	Long term water absorption		NPD	
Water vapour permeability	Water vapour transmission		NPD	
Compressive strength	Compressive stress or compressive strength		NPD	
	Point load		NPD	
Durability of Reaction to fire against heat, weathering, ageing/degradation	Durability characteristics (a)	Euroclass	A1	
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance (b)	m <sup>2</sup> .K/W	2.55	3.50
	Thermal conductivity (b)	W/m.K	0.040	0.040
	Durability characteristics (c)		NPD	
Tensile/flexural strength	Tensile strength perpendicular to faces (d)		NPD	
Durability of compressive strength against heat, weathering, ageing/degradation	Compressive creep		NPD	

NPD = No Performance Determined

(a) No change in Reaction to fire properties for mineral wool products. The fire performance of mineral wool does not deteriorate with time.

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Timber Frame Batt 32, 35, 40 & 43



## 7 Declared performance/s:

Harmonised Technical Specification: BS EN 13162:2012 + A1:2015

Essential characteristics	Performance	Unit	Declared Performance	
Product name			Timber Frame Batt 43	
Reaction to fire		Euroclass	A1	
Release of dangerous substances to the indoor environment	Release of dangerous substances (e)		NPD	
Acoustic absorption index	Sound absorption		NPD	
Impact noise transmission index	Dynamic stiffness		NPD	
	Thickness		NPD	
	Compressibility		NPD	
	Air flow resistivity		NPD	
Direct airborne sound insulation index	Air flow resistivity		NPD	
Continuous glowing combustion	Continuous glowing combustion (e)		NPD	
Thermal resistance	Thermal resistance	m <sup>2</sup> .K/W	2.05	3.25
	Thermal conductivity	W/m.K	0.043	0.043
	Thickness	mm	90	140
	Thickness class		T3	T3
Water permeability	Short term water absorption		NPD	
	Long term water absorption		NPD	
Water vapour permeability	Water vapour transmission		NPD	
Compressive strength	Compressive stress or compressive strength		NPD	
	Point load		NPD	
Durability of Reaction to fire against heat, weathering, ageing/degradation	Durability characteristics (a)	Euroclass	A1	
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance (b)	m <sup>2</sup> .K/W	2.05	3.25
	Thermal conductivity (b)	W/m.K	0.043	0.043
	Durability characteristics (c)		NPD	
Tensile/flexural strength	Tensile strength perpendicular to faces (d)		NPD	
Durability of compressive strength against heat, weathering, ageing/degradation	Compressive creep		NPD	

NPD = No Performance Determined

(a) No change in Reaction to fire properties for mineral wool products. 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.

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## 8 Appropriate Technical Documentation and/or Specific Technical Documentation:

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011 as it has effect in the United Kingdom in respect of Great Britain, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

East Leake 27/11/2024

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**Dean O'Sullivan, Managing Director, Isover**

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**Place and date of issue**