

Certificate of Product Approval

Certificate Number: 650a

Issue: 09



TRIMO d.o.o.

Prijateljeva cesta 12 8210 Trebnje Slovenia

s authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix naving complied with the requirements of the standard(s) as detailed below:

Products

Composite Construction Elements

FTV Wall Panel

FTV-H Wall Panel

FTV-HL Wall Panel

Qbiss One Wall Panel

FTV Ceiling Panel

SNV Roof Panel

SNV Wall Panel

Standards

LPS 1208: Issue 2

LPCB fire resistance requirements for elements of construction used to provide compartmentation.

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Chris White

17 March 2020

31 March 2004

Signed for BRE Global Ltd.

Certification Scheme Manager

Date of Issue

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Product	Specification thickness	Max Un:	supported s _l	oan (m)	Wall panel orientation	Fire Resistance (min	Grade	Core	LPCB Ref. No.
Name	(mm)	90kg/m³	100kg/m³	120kg/m³	(H/V) (note 1)	integrity / insulation)	Grade	Material	
FTV (wall panel)	80	-	2.80	2.80	V	30/30	FR30	Mineral wool	650a/01
	80	-	2.80	2.80	V	60/60	FR60	Mineral wool	
	100	-	2.80	10.05	V	30/30	FR30	Mineral wool	
	100	-	2.80	10.05	Н	30/30	FR30	Mineral wool	
	100	-	2.80	8.50	V	60/60	FR60	Mineral wool	
	100	-	-	6.55	V	90/90	FR90	Mineral wool	
	120	7.50	7.50	10.05	V	30/30	FR30	Mineral wool	
	133	7.50	7.50	10.05	V	30/30	FR30	Mineral wool	
	120	7.50	7.50	12.00	Н	30/30	FR30	Mineral wool	
	133	7.50	7.50	12.00	Н	30/30	FR30	Mineral wool	
	120	7.50	7.50	8.50	V	60/60	FR60	Mineral wool	
	133	7.50	7.50	8.50	V	60/60	FR60	Mineral wool	

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Product	Specification thickness	Max Uns	supported s _l	oan (m)	Wall panel orientation	Fire Resistance (min	Grade	Core	LPCB
Name	(mm)	90kg/m³	100kg/m³	120kg/m³	(H/V) (note 1)	integrity / insulation)	Graue	Material	Ref. No.
FTV (wall panel)	120	7.50	7.50	12.00	Н	60/60	FR60	Mineral wool	650a/01
	133	7.50	7.50	12.00	Н	60/60	FR60	Mineral wool	
	120	7.50	7.50	7.50	V	90/90	FR90	Mineral wool	
	133	7.50	7.50	7.50	V	90/90	FR90	Mineral wool	
	120	7.10	7.10	10.75	Н	90/90	FR90	Mineral wool	
	133	7.10	7.10	10.75	Н	90/90	FR90	Mineral wool	
	120	7.50	7.50	7.50	V	120/120	FR12 0	Mineral wool	
	133	7.50	7.50	7.50	V	120/120	FR12 0	Mineral wool	
	120	4.00	4.00	8.95	Н	120/120	FR12 0	Mineral wool	
	133	4.00	4.00	8.95	Н	120/120	FR12 0	Mineral wool	
	120	4.00	4.00	4.00	V	180/80	FR18 0	Mineral wool	
	150	7.50	7.50	10.05	V	30/30	FR30	Mineral wool	

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Product	Specification thickness	Max Uns	supported s _l	oan (m)	Wall panel orientation	Fire Resistance (min	Grade	Core	LPCB
Name	(mm)	90kg/m³	100kg/m³	120kg/m³	(H/V) (note 1)	integrity / insulation)	Grade	Material	Ref. No.
FTV (wall panel)	150	7.50	7.50	8.50	V	60/60	FR60	Mineral wool	650a/01
	150	7.50	7.50	7.50	V	90/90	FR90	Mineral wool	
	150	7.50	7.50	7.50	V	120/120	FR12 0	Mineral wool	
	150	4.00	4.00	4.00	V	180/180	FR18 0	Mineral wool	
	200	7.50	7.50	12.00	V	30/30	FR30	Mineral wool	
	200	7.50	7.50	12.00	V	60/60	FR60	Mineral wool	
	200	7.50	7.50	10.75	V	90/90	FR90	Mineral wool	
	200	7.50	7.50	8.95	V	120/120	FR12 0	Mineral wool	
	200	4.00	4.00	4.15	V	180/180	FR18 0	Mineral wool	
	200	-	-	4.00	V	240/240	FR24 0	Mineral wool	
	150	7.50	7.50	12.00	Н	30/30	FR30	Mineral wool	

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Product	Specification thickness	Max Un:	supported s _i	oan (m)	Wall panel orientation	Fire Resistance (min	Grade	Core	LPCB Ref. No.
Name	(mm)	90kg/m³	100kg/m³	120kg/m³	(H/V) (note 1)	integrity / insulation)	Grade	Material	
FTV (wall panel)	150	7.50	7.50	12.00	Н	60/60	FR60	Mineral wool	650a/01
	150	7.10	7.10	10.75	Н	90/90	FR90	Mineral wool	
	150	4.00	4.00	8.95	Н	120/120	FR12 0	Mineral wool	
	200	7.50	7.50	12.00	Н	30/30	FR30	Mineral wool	
	200	7.50	7.50	12.00	Н	60/60	FR60	Mineral wool	
	200	7.10	7.10	10.75	Н	90/90	FR90	Mineral wool	
	200	4.00	4.00	8.95	Н	120/120	FR12 0	Mineral wool	
	200	-	-	4.15	Н	180/180	FR18 0	Mineral wool	
	200	-	-	4.00	Н	240/240	FR24 0	Mineral wool	
FTV-H (wall panel)	100	-	-	7.50	V	30/30	FR30	Mineral wool	650a/02
	100	-	-	4.75	V	60/60	FR60	Mineral wool	

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Product	Specification thickness	Max Uns	supported s _l	pan (m)	Wall panel orientation	Fire Resistance	Grade	Core	LPCB Ref. No.
Name	(mm)	90kg/m³	100kg/m³	120kg/m³	(H/V) (note 1)	(min integrity / insulation)	Grade	Material	
FTV-H (wall panel)	100	-	-	4.00	V	90/90	FR90	Mineral wool	650a/02
	120	-	-	7.50	V	30/30	FR30	Mineral wool	
	120	-	-	4.75	V	60/60	FR60	Mineral wool	
	120	-	-	4.00	V	90/90	FR90	Mineral wool	
	150	-	-	7.50	V	30/30	FR30	Mineral wool	
	150	-	-	7.50	V	60/60	FR60	Mineral wool	
FTV-HL (wall panel	120	7.50	7.50	7.50	V	30/30	FR30	Mineral wool	650a/04
	120	7.50	7.50	7.50	V	60/60	FR60	Mineral wool	
	120	7.40	7.40	7.40	V	90/90	FR90	Mineral wool	
	120	6.60	6.60	6.60	V	120/120	FR12 0	Mineral wool	
	150	7.50	7.50	7.50	V	30/30	FR30	Mineral wool	

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Product	Specification thickness	Max Uns	supported s _l	pan (m)	Wall panel orientation	Fire Resistance (min	Grade	Core	LPCB
Name	(mm)	90kg/m³	100kg/m³	120kg/m³	(H/V) (note 1)	integrity / insulation)	Grade	Material	Ref. No.
FTV-HL (wall panel)	150	7.50	7.50	7.50	V	60/60	FR60	Mineral wool	650a/04
	150	7.50	7.50	7.50	V	90/90	FR90	Mineral wool	
	150	7.50	7.50	7.50	V	120/120	FR12 0	Mineral wool	
	150	7.50	7.50	7.50	V	180/180	FR18 0	Mineral wool	
	172	7.50	7.50	7.50	V	30/30	FR30	Mineral wool	
	172	7.50	7.50	7.50	V	60/60	FR60	Mineral wool	
	172	7.50	7.50	7.50	V	90/90	FR90	Mineral wool	
	172	7.50	7.50	7.50	V	120/120	FR12 0	Mineral wool	
	172	7.50	7.50	7.50	V	180/180	FR18 0	Mineral wool	
	200	7.50	7.50	7.50	V	30/30	FR30	Mineral wool	
	200	7.50	7.50	7.50	V	60/60	FR60	Mineral wool	
	200	7.50	7.50	7.50	V	90/90	FR90	Mineral wool	

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Product	Specification thickness	Max Un:	supported s _l	oan (m)	Wall panel orientation (H/V) (note	Fire Resistance (min	Grade	Core	LPCB Ref. No.
Name	(mm)	90kg/m³	100kg/m³	120kg/m³	(H/V) (note 1)	integrity / insulation)	Grade	Material	
FTV-HL (wall panel)	200	7.50	7.50	7.50	V	120/120	FR12 0	Mineral wool	650a/04
	200	7.50	7.50	7.50	V	180/180	FR18 0	Mineral wool	
	240	7.50	7.50	7.50	V	30/30	FR30	Mineral wool	
	240	7.50	7.50	7.50	V	60/60	FR60	Mineral wool	
	240	7.50	7.50	7.50	V	90/90	FR90	Mineral wool	
	240	7.50	7.50	7.50	V	120/120	FR12 0	Mineral wool	
	240	7.50	7.50	7.50	V	180/180	FR18 0	Mineral wool	
	100	-	7.50	7.50	Н	30/30	FR30	Mineral wool	
	100	-	7.20	7.20	Н	60/60	FR60	Mineral wool	
	100	-	4.80	4.80	Н	90/90	FR90	Mineral wool	
	100	-	4.00	4.00	Н	120/120	FR12 0	Mineral wool	
	120	3.00	7.50	7.50	Н	30/30	FR30	Mineral wool	

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Product	Specification thickness	Max Uns	supported s _l	oan (m)	Wall panel orientation	Fire Resistance (min	Grade	Core	LPCB
Name	(mm)	90kg/m³	100kg/m³	120kg/m³	(H/V) (note 1)	integrity / insulation)	Graue	Material	Ref. No.
FTV-HL (wall panel)	120	3.00	7.20	7.20	Н	60/60	FR60	Mineral wool	650a/04
	120	3.00	4.80	4.80	Н	90/90	FR90	Mineral wool	
	120	3.00	4.00	4.00	Н	120/120	FR12 0	Mineral wool	
	150	3.00	7.50	7.50	Н	30/30	FR30	Mineral wool	
	150	3.00	7.50	7.50	Н	60/60	FR60	Mineral wool	
	150	3.00	7.50	7.50	Н	90/90	FR90	Mineral wool	
	150	3.00	6.00	6.00	Н	120/120	FR12 0	Mineral wool	
	150	3.00	4.00	4.00	Н	180/180	FR18 0	Mineral wool	
	150	3.00	4.00	4.00	Н	240/240	FR24 0	Mineral wool	
	172	3.00	7.50	7.50	Н	30/30	FR30	Mineral wool	
	172	3.00	7.50	7.50	Н	60/60	FR60	Mineral wool	
	172	3.00	7.50	7.50	Н	90/90	FR90	Mineral wool	

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Product	Specification thickness	Max Uns	supported s _l	pan (m)	Wall panel orientation	n Resistance (min	Grade	Core	LPCB Ref. No.
Name	(mm)	90kg/m³	100kg/m³	120kg/m³	(H/V) (note 1)	integrity / insulation)	Grade	Material	
FTV-HL (wall panel)	172	3.00	6.00	6.00	Н	120/120	FR12 0	Mineral wool	650a/04
	172	3.00	4.00	4.00	Н	180/180	FR18 0	Mineral wool	
	172	3.00	4.00	4.00	Н	240/240	FR24 0	Mineral wool	
	200	3.00	7.50	7.50	Н	30/30	FR30	Mineral wool	
	200	3.00	7.50	7.50	Н	60/60	FR60	Mineral wool	
	200	3.00	7.50	7.50	Н	90/90	FR90	Mineral wool	
	200	3.00	6.00	6.00	Н	120/120	FR12 0	Mineral wool	
	200	3.00	4.00	4.00	Н	180/180	FR18 0	Mineral wool	
	200	3.00	4.00	4.00	Н	240/240	FR24 0	Mineral wool	
	240	3.00	7.50	7.50	Н	30/30	FR30	Mineral wool	
	240	3.00	7.50	7.50	Н	60/60	FR60	Mineral wool	
	240	3.00	7.50	7.50	Н	90/90	FR90	Mineral wool	

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Product	Specification thickness	Max Un	supported sp	oan (m)	Wall panel orientation	Fire Resistance (min	Grade	Core	LPCB
Name	(mm)	90kg/m³	100kg/m³	120kg/m³	(H/V) (note 1)	integrity / insulation)	Grade	Material	Ref. No.
FTV-HL (wall panel)	240	3.00	6.00	6.00	Н	120/120	FR12 0	Mineral wool	650a/04
	240	3.00	4.00	4.00	Н	180/180	FR18 0	Mineral wool	
	240	3.00	4.00	4.00	Н	240/240	FR24 0	Mineral wool	_

Product Name	Specification thickness	Max Unsupported span (m)			Wall panel orientation	Fire Resistanc e (min	Cuada	Core	LPCB
Name	thickness (mm)	90kg/m³	100kg/m³	120kg/m3		integrity / insulation)	Grade	Material	Ref. No.
Qbiss One panels systems	100	-	-	7.50	Н	30/30	FR30	Mineral wool	650a/05
	100	-	-	4.00	Н	60/60	FR60	Mineral wool	
	120	7.50	7.50	7.50	Н	30/30	FR30	Mineral wool	
	120	7.50	7.50	7.50	Н	60/60	FR60	Mineral wool	
	120	7.50	7.50	7.50	Н	90/90	FR90	Mineral wool	

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Product	Specification thickness (mm)	Max Ur	nsupported s	pan (m)	Wall panel orientation	n e (min		Core	LPCB
Name	thickness (mm)	90kg/m³	100kg/m³	120kg/m3	(H/V) (note 1)	integrity / insulation)	Grade	Material	Ref. No.
Qbiss One panels systems	120	4.00	4.00	4.00	Н	120/ 120	FR12 0	Mineral wool	650a/05
	150	7.50	7.50	7.50	Н	30/30	FR30	Mineral wool	
	150	7.50	7.50	7.50	Н	60/60	FR60	Mineral wool	
	150	7.50	7.50	7.50	Н	90/90	FR90	Mineral wool	
	150	4.00	4.00	4.00	Н	120/ 120	FR12 0	Mineral wool	
	172	7.50	7.50	10.00	Н	30/30	FR30	Mineral wool	
	172	7.50	7.50	10.00	Н	60/60	FR60	Mineral wool	
	172	7.50	7.50	10.00	Н	90/90	FR90	Mineral wool	
	172	4.00	4.00	6.50	Н	120/ 120	FR12 0	Mineral wool	
	200	7.50	7.50	10.00	Н	30/30	FR30	Mineral wool	
	200	7.50	7.50	10.00	Н	60/60	FR60	Mineral wool	

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Product	Specification	Max Ur	nsupported s	pan (m)	Wall panel orientation	Fire Resistanc e (min		Core	LPCB
Name	thickness (mm)	90kg/m³	100kg/m³	120kg/m3	(H/V) (note 1)	integrity / insulation)	Grade	Material	Ref. No.
Qbiss One panels systems	200	7.50	7.50	10.00	Н	90/90	FR90	Mineral wool	650a/05
	200	4.00	4.00	6.50	Н	120/ 120	FR12 0	Mineral wool	
	240	7.50	7.50	10.00	Н	30/30	FR30	Mineral wool	
	240	7.50	7.50	10.00	Н	60/60	FR60	Mineral wool	
	240	7.50	7.50	10.00	Н	90/90	FR90	Mineral wool	
	240	4.00	4.00	6.50	Н	120/ 120	FR12 0	Mineral wool	

Product Name	Sprcification thickness (mm)	Max Unsupported span (m)	Load bearing capacity under test conditions (kN/m²)	Fire Resistance (min integrity / insulation)	Grade	Core Material	LPCB Ref. No.
SNV (roof panel)	100 - 120	2.24	1.1	120 / 120	FR120	Mineral wool	650a/03
	120	3.29	0.5	120 / 120	FR120	Mineral wool	
	150 - 200	3.29	0.5	180 / 180	FR180	Mineral wool	

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Product	Specification	Max Ur	nsupported s	pan (m)	Wall panel orientation	Fire Resistanc e (min		Material Ref.	LPCB
Name	thickness (mm)	90kg/m³	100kg/m³	120kg/m3	(H/V) (note 1)	integrity / insulation)	Grade		Ref. No.
SNV (wall panel)	100	7.50	7.50	7.50	Н	30/30	FR30		650a/07
	100	7.50	7.50	7.50	Н	60/60	FR60		
	120	7.50	7.50	7.50	Н	90/90	FR90		
	120	7.50	7.50	7.50	Н	120/ 120	FR12 0		
	120	7.50	7.50	7.50	Н	180/ 180	FR18 0	Mineral wool	
	120	4.00	4.00	4.00	Н	240/ 240	FR24 0	Mineral wool	
	120	7.50	7.50	7.50	Н	30/30	FR30	Mineral wool	
	120	7.50	7.50	7.50	Н	60/60	FR60	Mineral wool	
	120	7.50	7.50	7.50	Н	90/90	FR90	Mineral wool	
	120	7.50	7.50	7.50	Н	120/ 120	FR12 0	Mineral wool	
	120	7.50	7.50	7.50	Н	180/ 180	FR18 0	Mineral wool	

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Mossila

Chris White

17 March 2020

31 March 2004

Signed for BRE Global Ltd..

Certification Scheme Manager

Date of Issue

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Product	Specification	Max Ur	nsupported s	pan (m)	Wall panel orientation	Fire Resistanc e (min		Core	LPCB
Name	thickness (mm)	90kg/m³	100kg/m³	120kg/m3	(H/V) (note 1)	integrity / insulation)	insulation Material	Material Ref Mineral wool Mineral wool	Ref. No.
SNV (wall panel)	120	4.00	4.00	4.00	Н	240/ 240	FR24 0		650a/07
	150	7.50	7.50	7.50	Н	30/30	FR30		
	150	7.50	7.50	7.50	Н	60/60	FR60		
	150	7.50	7.50	7.50	Н	90/90	FR90		
	150	7.50	7.50	7.50	Н	120/ 120	FR12 0		
	150	7.50	7.50	7.50	Н	180/ 180	FR18 0		
	150	4.00	4.00	4.00	Н	240/ 240	FR24 0		
	200	7.50	7.50	7.50	Н	30/30	FR30		
	200	7.50	7.50	7.50	Н	60/60	FR60		
	200	7.50	7.50	7.50	Н	90/90	FR90		
	200	7.50	7.50	7.50	Н	120/ 120	FR12 0		
	200	7.50	7.50	7.50	Н	180/ 180	FR18 0	Mineral wool	

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Chris White

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Product Name	Specification	Max Ur	nsupported s	pan (m)	Wall panel orientation	Fire Resistanc e (min		Core	LPCB
	thickness (mm)	90kg/m³	100kg/m³	120kg/m3	(H/V) (note	integrity / insulation)	Grade	Core Material Mineral wool	Ref. No.
	200	4.00	4.00	4.00	Н	240/ 240	FR24 0		

Product Name	Specification	Max Ur	nsupported s	pan (m)	Wall panel orientation	Fire Resistanc e (min		Core	LPCB
	thickness (mm)	90kg/m³	100kg/m³	120kg/m3	(H/V) (note 1)	integrity / insulation)	Grade	Material	Ref. No.
FTV (ceiling panel)	100	-	7.50	7.50	-	30/30	FR30	Mineral wool	650a/06
	100	-	5.15	5.15	-	60/60	FR60	Mineral wool	
	100	-	4.35	4.35	-	90/90	FR90	Mineral wool	
	100	-	4.20	4.20	-	120/ 120	FR12 0	Mineral wool	
	120	-	7.50	7.50	-	30/30	FR30	Mineral wool	
	120	-	5.15	7.15	-	60/60	FR60	Mineral wool	
	120	-	4.35	5.45	-	90/90	FR90	Mineral wool	
	120	-	4.20	4.20	-	120/ 120	FR12 0	Mineral wool	

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Mark

Chris White

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Notes:

- 1. LPCB ref. no. 650a/01, 650a/02, 650a/04, & 650a/05 & 650a/07 Wall panel orientation, Horizontal or Vertical (H/V) relating to the long joint orientation. The joints between the panels are sealed with a 7 x 7 PUR or 6/3.5 EPDM gasket.
- 2. LPCB ref. no. 650a/06 Ceiling panels are stitched on the external face at maximum 500mm centres with 6.3 x 25mm self tapping screws. The internal joints between the panels are sealed with a 7 x 7 foamed PUR gasket.
- 3. LPCB ref. no. 650a/03 Roof panels are stitched on the external face at maximum 820mm centres with 6.3 (5.5) x 25mm self tapping screws. Where the panels edges meet a 1mm thick intumescing strip (Piro-tech) is installed continuously along the edge. The joints between the panels are sealed with a 7 x 7 PUR or 6/3.5 EPAM gasket (exposed side) and a Tenstik 9 x 3 gaskets (un-exposed side).

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Chris White

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