

An abstract graphic consisting of several overlapping, tilted rectangular planes. Some planes are solid light gray, while others are defined by white outlines. They are arranged in a 3D-like perspective against a dark blue background.

Technical guide for cladding & flooring

08.2024 - EN

Technical specifications



physical and chemical properties	norm / test method	1000x3000 Laminam 3+	
1000x3000mm length and width nominal size manufacturing: rectified 1000x3000mm size 39.4 x118.1	ISO 10545 2	max. deviation on the side	0.5 mm
1000x3000mm difference between diagonals rectified 1000x3000mm size 39.4 x118.1	Laminam	max	1,5 mm
weight	Laminam	average value 8,2 kg m ²	
surface quality pieces with no visible flaws	ISO 10545 2	95	
water absorption	ISO 10545 3 ASTM C373	average value	0,1
breaking strength in N	ISO 10545 4	average value 700	sample dimensions 200x300 mm
modulus of rupture in N mm ²	ISO 10545 4	average value 50	sample dimensions 200x300 mm
resistance to deep abrasion	ISO 10545 6	≤ 175 mm ³	
coefficient of linear thermal expansion 10 ⁻⁶ °C	ISO 10545 8	6,6 average value	
resistance to thermal shock	ISO 10545 9	resistant	
chemical resistance	ISO 10545 13	class: from A to B	
stain resistance	ISO 10545 14	class: from 4 to 5	
resistant to freeze thaw	ISO 10545 12	resistant	
fire reaction	EN 13501 rev. 2005	A2 s1, d0	

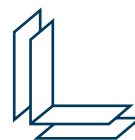
For wall application only

Requirement UNI EN 14411 not applicable for Laminam3, Laminam3+. The values indicated for 3+ are valid only for side length 3000 mm.

Value relative to the ceramic body only

The unique features of Laminam products do not allow for a perfect comparison with ceramic tiles. The test results are therefore only indicative and not binding.

Technical specifications



physical and chemical properties	norm / test method	1000x3000 Laminam 5 C€	1000x3000 Laminam 5 Lucidato C€
1000x3000mm length and width nominal size manufacturing: rectified 1000x3000mm size 39.4 x118.1	ISO 10545 2	max. deviation on the side 0,5 mm	max. deviation on the side 0,5 mm
1000x3000mm difference between diagonals rectified 1000x3000mm size 39.4 x118.1	Laminam	max 1,5 mm	max 1,5 mm
weight	Laminam	average value 14,5 kg m ²	average value 14,5 kg m ²
surface quality pieces with no visible flaws	ISO 10545 2	95	95
water absorption	ISO 10545 3 ASTM C373	average value 0,1	average value 0,1
breaking strength in N	ISO 10545 4	average value 1100 sample dimensions 1000x1000 mm	average value 1100 sample dimensions 1000x1000 mm
modulus of rupture in N mm ²	ISO 10545 4	average value 50 sample dimensions 1000x1000 mm	average value 50 sample dimensions 1000x1000 mm
resistance to deep abrasion	ISO 10545 6	≤ 175 mm ³	≤ 175 mm ³
coefficient of linear thermal expansion 10 ⁻⁶ °C	ISO 10545 8	6,6 average value	6,6 average value
resistance to thermal shock	ISO 10545 9	resistant	resistant
chemical resistance	ISO 10545 13	class: from A to B	class: from A to C
stain resistance	ISO 10545 14	class: from 4 to 5	class: from 2 to 5
resistenza al gelo resistant to freeze thaw	ISO 10545 12	resistant	resistant
fire reaction	EN 13501 rev. 2005	A1 decision 96 603 CE as amended	A1 decision 96 603 CE as amended

For wall application only

Requirement UNI EN 144111 not applicable for Laminam3, Laminam3 . The values indicated for 3 are valid only for side length 3000 mm.

Value relative to the ceramic body only

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Technical specifications



physical and chemical properties	norm / test method	1200x3000 Full Size Laminam 5 CE
Full Size: length and width nominal size: 1200x3000mm size 47.2 x118.1	Laminam	minimum size: ≥ 1210x3050 mm full size untrimmed
weight	Laminam	average value 14,5 kg m ²
surface quality pieces with no visible flaws	ISO 10545 2	95
water absorption	ISO 10545 3 ASTM C373	average value 0,1
breaking strength in N	ISO 10545 4	average value 1100 sample dimensions 1000x1000 mm
modulus of rupture in N mm ²	ISO 10545 4	average value 50 sample dimensions 1000x1000 mm
resistance to deep abrasion	ISO 10545 6	≤ 175 mm ³
coefficient of linear thermal expansion 10 ⁻⁶ °C	ISO 10545 8	6,6 average value
resistance to thermal shock	ISO 10545 9	resistant
chemical resistance	ISO 10545 13	class: from A to B
stain resistance	ISO 10545 14	class: from 4 to 5
resistant to freeze thaw	ISO 10545 12	resistant
fire reaction	EN 13501 rev. 2005	A1 decision 96 603 CE as amended

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Value relative to the ceramic body only

The unique features of Laminam products do not allow for a perfect comparison with ceramic tiles. The test results are therefore only indicative and not binding.

Technical specifications



physical and chemical properties	norm / test method	1200x3000 Laminam 5+	
1200x3000mm length and width nominal size manufacturing: rectified 1200x3000mm size 47.2 x118.1	ISO 10545 2	max. deviation on the side	0,5 mm
1200x3000mm difference between diagonals rectified 1200x3000mm size 39.4 x118.1	Laminam	max	1,5 mm
weight	Laminam	average value 14,9 kg m ²	
surface quality pof tiles with no visibl flaws	ISO 10545 2	95	
water absorption	ISO 10545 3 ASTM C373	average value	0,1
breaking strength in N	ISO 10545 4	average value 1100	sample dimensions 1000x1000 mm
modulus of rupture in N mm ²	ISO 10545 4	average value 50	sample dimensions 1000x1000 mm
resistance to deep abrasion	ISO 10545 6	≤ 175 mm ³	
coefficient of linear thermal expansion 10 ⁻⁶ °C	ISO 10545 8	6,6 average value	
resistance to thermal shock	ISO 10545 9	resistant	
chemical resistance	ISO 10545 13	class: from A to B	
stain resistance	ISO 10545 14	class: from 4 to 5	
resistant to freeze thaw	ISO 10545 12	resistant	
fire reaction	EN 13501 rev. 2005	A2 s1, d0	

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Value relative to the ceramic body only

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Technical specifications



physical and chemical properties	norm / test method	1620x3240 Full Size Laminam 5 C€	1620x3240 Full Size Laminam 5 Lucidato C€
Full Size: length and width nominal size: 1620x3240mm size 63.7 x 127.5	Laminam	minimum size: ≥ 1630x3250mm full size untrimmed	minimum size: ≥ 1630x3250mm full size untrimmed
weight	Laminam	average value 14,5 kg m ²	average value 14,5 kg m ²
surface quality pieces with no visible flaws	ISO 10545 2	95	95
water absorption	ISO 10545 3 ASTM C373	average value 0,1	average value 0,1
breaking strength in N	ISO 10545 4	average value 1100 sample dimensions 1000x1000 mm	average value 1100 sample dimensions 1000x1000 mm
modulus of rupture in N mm ²	ISO 10545 4	average value 50 sample dimensions 1000x1000 mm	average value 50 sample dimensions 1000x1000 mm
resistance to deep abrasion	ISO 10545 6	≤ 175 mm ³	≤ 175 mm ³
coefficient of linear thermal expansion 10 ⁻⁶ °C	ISO 10545 8	6,6 average value	6,6 average value
resistance to thermal shock	ISO 10545 9	resistant	resistant
chemical resistance	ISO 10545 13	class: from A to B	class: from A to C
stain resistance	ISO 10545 14	class: from 4 to 5	class: from 2 to 5
resistant to freeze thaw	ISO 10545 12	resistant	resistant
fire reaction	EN 13501 rev. 2005	A1 decision 96 603 CE as amended	A1 decision 96 603 CE as amended

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Technical specifications



physical and chemical properties	norm / test method	1620x3240 Laminam 5+ C€	1620x3240 Laminam 5+ Lucidato C€
1620x3240mm length and width nominal size manufacturing: rectified 1620x3240mm size 39.4 x118.1	ISO 10545 2	max. deviation on the side 0,5 mm	max. deviation on the side 0,5 mm
1620x3240mm difference between diagonals rectified 1620x3240mm size 39.4 x118.1	Laminam	max 1,5 mm	max 1,5 mm
weight	Laminam	average value 14,9 kg m ²	average value 14,9 kg m ²
surface quality pieces with no visible flaws	ISO 10545 2	95	95
water absorption	ISO 10545 3 ASTM C373	average value 0,1	average value 0,1
breaking strength in N	ISO 10545 4	average value 1100 sample dimensions 1000x1000 mm	average value 1100 sample dimensions 1000x1000 mm
modulus of rupture in N mm ²	ISO 10545 4	average value 50 sample dimensions 1000x1000 mm	average value 50 sample dimensions 1000x1000 mm
resistance to deep abrasion	ISO 10545 6	≤ 175 mm ³	≤ 175 mm ³
coefficient of linear thermal expansion 10 ⁻⁶ C	ISO 10545 8	6,6 average value	6,6 average value
resistance to thermal shock	ISO 10545 9	resistant	resistant
chemical resistance	ISO 10545 13	class: from A to B	class: from A to C
stain resistance	ISO 10545 14	class: from 4 to 5	class: from 2 to 5
resistant to freeze thaw	ISO 10545 12	resistant	resistant
fire reaction	EN 13501 rev. 2005	A2 s1, d0	A2 s1, d0

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Technical specifications



physical and chemical properties	norm / test method	1620x3240 Full Size Laminam 12+	1620x3240 Full Size Laminam 12+ Lucidato
Full Size: length and width nominal size: 1620x3240mm size 63.7 x 127.5	Laminam	minimum size: ≥ 1630x3250mm full size untrimmed	minimum size: ≥ 1630x3250mm full size untrimmed
weight	Laminam	average value 30 kg m ²	average value 30 kg m ²
surface quality pieces with no visible flaws	ISO 10545 2	95	95
water absorption	ISO 10545 3 ASTM C373	average value 0,1	average value 0,1
breaking strength in N	ISO 10545 4	4000 sample dimensions 400x800 mm	4000 sample dimensions 400x800 mm
modulus of rupture in N mm ²	ISO 10545 4	average value 50 sample dimensions 400x800 mm	average value 50 sample dimensions 400x800 mm
resistance to deep abrasion	ISO 10545 6	≤ 175 mm ³	≤ 175 mm ³
coefficient of linear thermal expansion 10 ⁻⁶ °C	ISO 10545 8	6,6 average value	6,6 average value
resistance to thermal shock	ISO 10545 9	resistant	resistant
chemical resistance	ISO 10545 13	class: from A to B	class: from A to C
stain resistance	ISO 10545 14	class: from 4 to 5	class: from 2 to 5
resistant to freeze thaw	ISO 10545 12	resistant	resistant
fire reaction	EN 13501 rev. 2005	A2 s1,d0	A2 s1,d0

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Value relative to the ceramic body only

The unique features of Laminam products do not allow for a perfect comparison with ceramic tiles. The test results are therefore only indicative and not binding.

Technical specifications



physical and chemical properties	norm / test method	1620x3240 Full Size Laminam 20+	1620x3240 Full Size Laminam 20+ Lucidato
Full Size: length and width nominal size: 1620x3240mm size 63.7 x 127.5	Laminam	minimum size: ≥ 1630x3250mm full size untrimmed	minimum size: ≥ 1630x3250mm full size untrimmed
weight	Laminam	average value 50,4 kg m ²	average value 50,4 kg m ²
surface quality pieces with no visible flaws	ISO 10545 2	95	95
water absorption	ISO 10545 3 ASTM C373	average value 0,1	average value 0,1
breaking strength in N	ISO 10545 4	10000 sample dimensions 400x800 mm	10000 sample dimensions 400x800 mm
modulus of rupture in N mm ²	ISO 10545 4	average value 50 sample dimensions 400x800 mm	average value 50 sample dimensions 400x800 mm
resistance to deep abrasion	ISO 10545 6	≤ 175 mm ³	≤ 175 mm ³
coefficient of linear thermal expansion 10 ⁻⁶ °C	ISO 10545 8	6,6 average value	6,6 average value
resistance to thermal shock	ISO 10545 9	<i>resistant</i>	<i>resistant</i>
chemical resistance	ISO 10545 13	class: from A to B	class: from A to C
stain resistance	ISO 10545 14	class: from 4 to 5	class: from 2 to 5
resistant to freeze thaw	ISO 10545 12	<i>resistant</i>	<i>resistant</i>
fire reaction	EN 13501 rev. 2005	A2 s1,d0	A2 s1,d0

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We are
designers
of our own
spaces
seeking
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