

# Laminam® Supernova Project Range

## Luna White & Luna Grey Technical Data Sheet

Colours: Luna White, Luna Grey

Surface: Natural (structured)

Sizes: 1620x3240mm FULL SIZE

Thickness: 12.5 mm

Technical Characteristics - ISO 13006:2018

Dry Pressed Porcelain Tiles with low water absorption - ( $EV \leq 0,5\%$ ) UGL

Technical characteristics		Measurement method	Laminam® average value*
Surface dimensions And quality	Length & width	Laminam®	Minimum size: $\geq 1630 \times 3250$ mm (full size untrimmed)
	Planarity	Laminam®	Max 2 mm (compared to a perfectly horizontal and stable reference surface)
	Surface quality	ISO 10545-2	Minimum 95% of the tiles tested must be free from visible defects
Physical properties	Weight	Laminam®	30 Kg/m <sup>2</sup>
	Density	ISO 10545-3	Minimum value: 2200 kg/m <sup>3</sup>
	Water absorption	ISO 10545-3	$E \leq 0,1\%$ Bia
	Modulus of rupture (r)	ISO 10545-4	50 N/mm <sup>2</sup> (samples 400x800 mm)
	Breaking strength (s)	ISO 10545-4	> 4000 N (samples 400x800 mm)
	Deep abrasion resistance	ISO 10545-6	$\leq 175$ mm <sup>3</sup>
	Coefficient of linear thermal expansion	ISO 10545-8	$6,6 \times 10^{-6}$ °C <sup>-1</sup>
	Thermal shock resistance	ISO 10545-9	Resistant
	Frost resistance	ISO 10545-12	Resistant
	Colour resistance to light exposure	DIN 51094	Resistant
Chemical properties	Fire reaction	EN 13501	A2-s1, d0
	Resistance to household chemicals and swimming pool salts	ISO 10545-13	A
	Resistance to high or low concentration of acids or base **		Min LB Min HB
	Resistance to staining		Min class 4

\* Values related to the ceramic part only, except for weight and reaction to fire that relate to the product with fiberglass

\*\* The reference standard does not certify the use of hydrofluoric acid or compounds containing it

# Laminam® Supernova Project Range

## Marble Black Technical Data Sheet

Colours: Marble Black

Surface: Natural

Sizes: 1620x3240mm FULL SIZE

Thickness: 12.5 mm

Technical Characteristics - ISO 13006:2018

Dry Pressed Porcelain Tiles with low water absorption - ( $EV \leq 0,5\%$ ) UGL

Technical characteristics		Measurement method	Laminam® average value*
Surface dimensions And quality	Length & width	Laminam®	Minimum size: $\geq 1630 \times 3250$ mm (full size untrimmed)
	Planarity	Laminam®	Max 2 mm (compared to a perfectly horizontal and stable reference surface)
	Surface quality	ISO 10545-2	Minimum 95% of the tiles tested must be free from visible defects
Physical properties	Weight	Laminam®	30 Kg/m <sup>2</sup>
	Density	ISO 10545-3	Minimum value: 2200 kg/m <sup>3</sup>
	Water absorption	ISO 10545-3	$E \leq 0,1\%$ Bia
	Modulus of rupture (r)	ISO 10545-4	50 N/mm <sup>2</sup> (samples 400x800 mm)
	Breaking strength (s)	ISO 10545-4	> 4000 N (samples 400x800 mm)
	Deep abrasion resistance	ISO 10545-6	$\leq 175$ mm <sup>3</sup>
	Coefficient of linear thermal expansion	ISO 10545-8	$6,6 \times 10^{-6}$ °C <sup>-1</sup>
	Thermal shock resistance	ISO 10545-9	Resistant
	Frost resistance	ISO 10545-12	Resistant
	Colour resistance to light exposure	DIN 51094	Resistant
Chemical properties	Fire reaction	EN 13501	A2-s1, d0
	Resistance to household chemicals and swimming pool salts	ISO 10545-13	A
	Resistance to high or low concentration of acids or base **		Min LB Min HB
	Resistance to staining	ISO 10545-14	Class 5

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# Laminam® Supernova Project Range

## Marble Gold Technical Data Sheet

Colours: Marble Gold

Surface: Natural

Sizes: 1620x3240mm FULL SIZE

Thickness: 12.5 mm

Technical Characteristics - ISO 13006:2018

Dry Pressed Porcelain Tiles with low water absorption - (EV ≤ 0,5%) UGL

Technical characteristics		Measurement method	Laminam® average value*
Surface dimensions And quality	Length & width	Laminam®	Minimum size: ≥ 1630x3250 mm (full size untrimmed)
	Planarity	Laminam®	Max 2 mm (compared to a perfectly horizontal and stable reference surface)
	Surface quality	ISO 10545-2	Minimum 95% of the tiles tested must be free from visible defects
Physical properties	Weight	Laminam®	30 Kg/m <sup>2</sup>
	Density	ISO 10545-3	Minimum value: 2200 kg/m <sup>3</sup>
	Water absorption	ISO 10545-3	E ≤ 0.1% Bia
	Modulus of rupture (r)	ISO 10545-4	50 N/mm <sup>2</sup> (samples 400x800 mm)
	Breaking strength (s)	ISO 10545-4	> 4000 N (samples 400x800 mm)
	Deep abrasion resistance	ISO 10545-6	≤ 175 mm <sup>3</sup>
	Coefficient of linear thermal expansion	ISO 10545-8	6,6×10 <sup>-6</sup> °C <sup>-1</sup>
	Thermal shock resistance	ISO 10545-9	Resistant
	Frost resistance	ISO 10545-12	Resistant
	Colour resistance to light exposure	DIN 51094	Resistant
Chemical properties	Resistance to household chemicals and swimming pool salts	ISO 10545-13	A
	Resistance to high or low concentration of acids or base **		Min LB Min HB
	Resistance to staining	ISO 10545-14	Class 4

\* Values related to the ceramic part only, except for weight and reaction to fire that relate to the product with fiberglass

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# Laminam<sup>®</sup> Supernova Project Range

## Planet Brown & Planet Black Technical Data Sheet

Colours: Planet Black, Planet Brown

Surface: Natural

Sizes: 1620x3240mm FULL SIZE

Thickness: 12.5 mm

Technical Characteristics - ISO 13006:2018

Dry Pressed Porcelain Tiles with low water absorption - (EV ≤ 0,5%) UGL

Technical characteristics		Measurement method	Laminam <sup>®</sup> average value*
Surface dimensions And quality	Length & width	Laminam <sup>®</sup>	Minimum size: ≥ 1630x3250 mm (full size untrimmed)
	Planarity	Laminam <sup>®</sup>	Max 2 mm (compared to a perfectly horizontal and stable reference surface)
	Surface quality	ISO 10545-2	Minimum 95% of the tiles tested must be free from visible defects
Physical properties	Weight	Laminam <sup>®</sup>	30 Kg/m <sup>2</sup>
	Density	ISO 10545-3	Minimum value: 2200 kg/m <sup>3</sup>
	Water absorption	ISO 10545-3	E ≤ 0.1% Bia
	Modulus of rupture (r)	ISO 10545-4	50 N/mm <sup>2</sup> (samples 400x800 mm)
	Breaking strength (s)	ISO 10545-4	> 4000 N (samples 400x800 mm)
	Deep abrasion resistance	ISO 10545-6	≤ 175 mm <sup>3</sup>
	Coefficient of linear thermal expansion	ISO 10545-8	6,6×10 <sup>-6</sup> °C <sup>-1</sup>
	Thermal shock resistance	ISO 10545-9	Resistant
	Frost resistance	ISO 10545-12	Resistant
	Colour resistance to light exposure	DIN 51094	Resistant
Chemical properties	Fire reaction	EN 13501	A2-s1, d0
	Resistance to household chemicals and swimming pool salts	ISO 10545-13	A
	Resistance to high or low concentration of acids or base **		Min LB Min HB
	Resistance to staining	ISO 10545-14	Class 5

\* Values related to the ceramic part only, except for weight and reaction to fire that relate to the product with fiberglass

\*\* The reference standard does not certify the use of hydrofluoric acid or compounds containing it