

## TECHNICAL DATA SHEET

### 12 mm – Glossy

3200x1600x12 mm GLOSSY GL

PHYSICAL-CHEMICAL PROPERTIES	STANDARD TEST	REQUIRED VALUE	AVERAGE VALUE
Water absorbtion	ISO 10545-3	≤ 0,5%	≤ 0,1%
Breaking strenght	ISO 10545-4	≥ 1300 N	> 4000 N
Modulus of rupture	ISO 10545-4	R ≥ 35 N/mm2	≥ 45 N/mm2
Impact resistance	ISO-10545-5	Declared value ≥ 0,55 without damage	≥ 0,8
Linear thermal expansion	ISO 10545-8	Declared value	5,7.10-6 °C
Thermal shock resistance	ISO 10545-9	Samples must show no visible defects	Resist
Moisture expansion	ISO 10545-10	Declared value	< 0,1 mm/m
Carzing resistance	ISO 10545-11	Samples must show no surface crazing	Resist
Frost resistance	ISO 10545-12	Samples must show no visible damage	Resist
Chemical resistance: cleaning products	ISO-10545-13	GB	GA
Chemical resistance: swimming pool salts	ISO-10545-13	GB	GA
Chemical resistance: low concentration acids	ISO-10545-13	Declared value	GLB
Chemical resistance: low concentration bases	ISO-10545-13	Declared value	GLB
Resistance to stains	ISO 10545-14	Declared value	5
Determiration of lead and cadmium	ISO 10545-15	Declared value	Cadmium < 0,01 mg/l Lead < 0,1 mg/l
Scratch hardness	UNE 67-101	Declared value	Declared value: min 4
Dry heat resistance	EN 13310	Declared value	Resist
UV Resistance	DIN 51094	Declared value	No change

**BESTSURFACE**  
BREAKING DESIGN

**Best Surface Holding Srl**  
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Cap. Soc. 250.000,00 Euro i.v.

**Best Surface S.L.**  
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Foyes Ferraes  
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Warnings:

- Avoid direct cutting on the surface.
- The use of scouring pads, knives and other cleaning elements that may be rough or abrasive to the surface to be cleaned should be avoided. For example, granule cleaners
- Avoid prolonged contact with industrial objects at very high temperature
- Avoid products that contain hydrofluoric acid and its derivatives. (oven cleaners, for example). Do not use concentrated hydrochloric acid or caustic soda.

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TECHNICAL DATA SHEET

**12 mm – Honed (GL)**

3200x1600x12 mm HONED GL

PHYSICAL-CHEMICAL PROPERTIES	STANDARD TEST	REQUIRED VALUE	AVERAGE VALUE
Water absorbtion	ISO 10545-3	≤ 0,5%	≤ 0,1%
Breaking strenght	ISO 10545-4	≥ 1300 N	> 4000 N
Modulus of rupture	ISO 10545-4	R ≥ 35 N/mm2	≥ 45 N/mm2
Impact resistance	ISO-10545-5	Declared value ≥ 0,55 without damage	≥ 0,8
Resistance to surface abrasion	ISO 10545-7	Declared value	Declared value
Linear thermal expansion	ISO 10545-8	Declared value	5,7.10-6.°C
Thermal shock resistance	ISO 10545-9	Samples must show no visible defects	Resist
Moisture expansion	ISO 10545-10	Declared value	< 0,1 mm/m
Carzing resistance	ISO 10545-11	Samples must show no surface crazing	Resist
Frost resistance	ISO 10545-12	Samples must show no visible damage	Resist
Chemical resistance: cleaning products	ISO-10545-13	GB	GA
Chemical resistance: swimming pool salts	ISO-10545-13	GB	GA
Chemical resistance: low concentration acids	ISO-10545-13	Declared value	GLA
Chemical resistance: low concentration bases	ISO-10545-13	Declared value	GLA
Chemical resistance: high concentration acids	ISO-10545-13	Declared value	GHA
Chemical resistance: high concentration bases	ISO-10545-13	Declared value	GHA

Resistance to stains	ISO 10545-14	Declared value	5
Determination of lead and cadmium	ISO 10545-15	Declared value	Cadmium < 0,01 mg/l Lead < 0,1 mg/l
Scratch hardness	UNE 67-101	Declared value	Declared value: min 5
Dry heat resistance	EN 13310	Declared value	Resist
UV Resistance	DIN 51094	Declared value	No change

Warnings:

Avoid products that contain hydrofluoric acid and its derivatives (oven cleaners, for example).

## TECHNICAL DATA SHEET

### 12 mm – Honed (UGL)

3200x1600x12 mm HONED UGL

PHYSICAL-CHEMICAL PROPERTIES	STANDARD TEST	REQUIRED VALUE	AVERAGE VALUE
Water absorption	ISO 10545-3	≤ 0,5%	≤ 0,1%
Breaking strength	ISO 10545-4	≥ 1300 N	> 4000 N
Modulus of rupture	ISO 10545-4	R ≥ 35 N/mm <sup>2</sup>	≥ 45 N/mm <sup>2</sup>
Impact resistance	ISO-10545-5	Declared value ≥ 0,55 without damage	≥ 0,8
Resistance to deep abrasion	ISO 10545-6	≤ 175 mm <sup>3</sup>	≤ 140 mm <sup>3</sup>
Linear thermal expansion	ISO 10545-8	Declared value	5,7.10 <sup>-6</sup> ·°C
Thermal shock resistance	ISO 10545-9	Samples must show no visible defects	Resist
Moisture expansion	ISO 10545-10	Declared value	< 0,1 mm/m
Frost resistance	ISO 10545-12	Samples must show no visible damage	Resist
Chemical resistance: cleaning products	ISO-10545-13	UB	UA
Chemical resistance: swimming pool salts	ISO-10545-13	UB	UA
Chemical resistance: low concentration acids	ISO-10545-13	Declared value	ULA
Chemical resistance: low concentration bases	ISO-10545-13	Declared value	ULA
Resistance to stains	ISO 10545-14	Declared value	5
Determination of lead and cadmium	ISO 10545-15	Declared value	Cadmium < 0,01 mg/l Lead < 0,1 mg/l
Scratch hardness	UNE 67-101	Declared value	Declared value: min 5
Dry heat resistance	EN 13310	Declared value	Resist
UV Resistance	DIN 51094	Declared value	No change

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TECHNICAL DATA SHEET

**12 mm – Moony**

3200x1600x12 mm MOONY UGL

PHYSICAL-CHEMICAL PROPERTIES	STANDARD TEST	REQUIRED VALUE	AVERAGE VALUE
Water absorption	ISO 10545-3	≤ 0,5%	≤ 0,1%
Breaking strength	ISO 10545-4	≥ 1300 N	> 4000 N
Modulus of rupture	ISO 10545-4	R ≥ 35 N/mm <sup>2</sup>	≥ 45 N/mm <sup>2</sup>
Impact resistance	ISO-10545-5	Declared value ≥ 0,55 without damage	≥ 0,8
Resistance to deep abrasion	ISO 10545-6	≤ 175 mm <sup>3</sup>	≤ 140 mm <sup>3</sup>
Linear thermal expansion	ISO 10545-8	Declared value	5,7.10-6-°C
Thermal shock resistance	ISO 10545-9	Samples must show no visible defects	Resist
Moisture expansion	ISO 10545-10	Declared value	< 0,1 mm/m
Frost resistance	ISO 10545-12	Samples must show no visible damage	Resist
Chemical resistance: cleaning products	ISO-10545-13	UB	UA
Chemical resistance: swimming pool salts	ISO-10545-13	UB	UA
Chemical resistance: low concentration acids	ISO-10545-13	Declared value	ULA
Chemical resistance: low concentration bases	ISO-10545-13	Declared value	ULA
Resistance to stains	ISO 10545-14	Declared value	5
Determination of lead and cadmium	ISO 10545-15	Declared value	Cadmium < 0,01 mg/l Lead < 0,1 mg/l
Scratch hardness	UNE 67-101	Declared value	Declared value: min 7
Dry heat resistance	EN 13310	Declared value	Resist
UV Resistance	DIN 51094	Declared value	No change

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Signed for and behalf of the manufacturer:



Matilde Galende  
Laboratory & QA Manager

Alcora, 2020/7/15

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