

# GIGACER<sup>®</sup>

## CONCRETE

EN

Technical porcelain stoneware slabs produced with “Continua” and “Continua Plus” technology using coloured mixed powders. The slabs are produced without glazes and with high surface and mechanical resistance. Concrete is available in 12mm and 4.8mm thickness in all standard sizes, to facilitate the preparation of the screeds. All standard sizes are chamfered on all sides. The surface is textured to replicate the surface of concrete. It’s available in 11 colours and in the following standard sizes: 1190x1190mm, 1190x594mm, 594x594mm, 594x296mm. Concrete is also available, in 13 colours, in format 1190x2500mm in 6mm thickness. 5 of the colours (mud, grey, rope, graphite, white) are available in slabs 1190x2500mm through body rectified or unrectified for countertops and kitchen tops. A wide range of mosaics and special pieces is available too. The product in 4.8mm and 6mm thickness can be used on a new screed, provided it has been well seasoned, without using reinforcing fibres. Modular layout is possible between all standard sizes with 2mm joint spacing. Tolerances are 0,5mm in calibre and 0,3% in planarity. The high degree of resistance and the accurate planarity achieved through Continua technology allow to stratify homogeneous porcelain stoneware doughs pressed a first time with 100kg/cm<sup>2</sup> and a second time with 500 kg/cm<sup>2</sup> pressure with a 7200 tons press. The slabs are fired at 1300°C and stay at the maximum temperature for 15 minutes. The cooling tensions are stabilized. All the raw materials used have a very low iron content and contain no lead. All the output is produced respecting quality standard ISO 9001 and environmental standard ISO 14001. The powders dissipated in the environment weigh 0,30gr per m<sup>2</sup> produced and broadly respect the most restrictive laws that tolerate 5.0 gr/m<sup>2</sup>. The packaging is accident preventive. The slabs are packed horizontally to avoid that the slabs fall from the pallet and the use of carton is minimal (87.5 gr/m<sup>2</sup>) in order to minimize the waste on the construction site. The product is technical unglazed porcelain and some light impurities and dots must be considered as a standard feature of the product.

TECHNICAL SPECIFICATIONS - PORCELAIN SLABS ISO 13006 - G - Bia UGL (E ≤ 0,5%) UNI EN 14411 - G -						
TECHNICAL SPECIFICATIONS		NORMA ISO STANDARD	THICKNESS	INTERNATIONAL STANDARDS	AVERAGE GIGACER VALUE	
DIMENSIONAL CHARACTERISTICS		ISO 10545-2	-	S > 410		
SIDES			-	± 0,6%	± 0,2%	
THICKNESS			-	± 5%	± 3%	
STRAIGHTNESS OF EDGES			-	± 0,5%	± 0,2%	
RECTANGULARITY			-	± 0,6%	± 0,2%	
SURFACE FLATNESS			-	± 0,5%	± 0,2%	
WATER ABSORPTION		ISO 10545-3	-	≤ 0,5%	≤ 0,1%	
BENDING STRENGTH		ISO 10545-4	≠ 4.8 mm	≥ 35N/mm <sup>2</sup>	≥ 40 N/mm <sup>2</sup>	
			≠ 6 mm	≥ 35N/mm <sup>2</sup>	≥ 40 N/mm <sup>2</sup>	
			≠ 12 mm	≥ 35N/mm <sup>2</sup>	≥ 40 N/mm <sup>2</sup>	
MODULUS OF RUPTURE		ISO 10545-4	≠ 4.8 mm	> 700N (sp. < 7,5mm)	> 700 N	
			≠ 6 mm	> 700N (sp. < 7,5mm)	> 700 N	
			≠ 12 mm	> 1.300N (sp. ≥ 7,5mm)	≥ 4000 N	
			≠ 24 mm	> 1.300N (sp. ≥ 7,5mm)	18,14 kN (=18.140 kgF)	
RESISTANCE TO DEEP ABRASION		ISO 10545-6	-	≤ 175mm <sup>3</sup>	≤ 145 mm <sup>3</sup>	
COEFFICIENT OF LINEAR THERMAL EXPANSION		ISO 10545-8	-	≤ 9x10 6°c 1	≤ 7x10 6°c 1	
RESISTANCE TO THERMAL SHOCKS		-	-	AVAILABLE METHOD	RESISTANT	
FROST RESISTANCE		ISO 10545-12	-	AVAILABLE METHOD	RESISTANT	
RESISTANCE TO CHEMICAL ATTACKS		ISO 10545-13	-	min. UB	RESISTANT	
STAIN RESISTANCE		ISO 10545-14	-	AVAILABLE METHOD	RESISTANT	
SURFACES	THICKNESS	DIN 51130	DIN 51097	BCR	BRITISHPENDULUM BS7976	R9729 UPI/EMPA
CONCRETE	≠4.8mm	R10	A + B*	> 0,40	-	GS1
	≠6mm	R10	A + B*	> 0,40	-	GS1
	≠12mm ≠24mm	R10	A + B	> 0,40	> 36 WET except for ice colour	GS2/GB1



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# GIGACER®

## MADE 2.0

EN

Technical multilayer porcelain stoneware slabs produced with “Continua” and “Continua Plus” technology using coloured mixed powders. The slabs are produced without glazes and with high surface and mechanical resistance. Made 2.0 is available in 12mm thickness in all standard sizes, to facilitate the preparation of the screeds. All standard sizes are chamfered on all sides. The product is available in 11 colours in 2 different finish per colour: mat and bush-hammered R11. Made 2.0 is available in the following standard sizes: 1190x1190mm, 1190x594mm, 594x594mm, 594x296mm. The bush-hammered finish is available in 146x146mm too. A wide range of mosaics and special pieces is available too. Modular layout is possible between all standard sizes with 2mm joint spacing. Tolerances are 0,5mm in calibre and 0,3% in planarity. The high degree of resistance and the accurate planarity achieved through Continua technology allow to stratify homogeneous porcelain stoneware doughs pressed a first time with 100kg/cm<sup>2</sup> and a second time with 500 kg/cm<sup>2</sup> pressure with a 7200 tons press. The slabs are fired at 1300°C and stay at the maximum temperature for 15 minutes. The cooling tensions are stabilized. All the raw materials used have a very low iron content and contain no lead. All the output is produced respecting quality standard ISO 9001 and environmental standard ISO 14001. The powders dissipated in the environment weigh 0,30gr per m<sup>2</sup> produced and broadly respect the most restrictive laws that tolerate 5.0 gr/m<sup>2</sup>. The packaging is accident preventive. The slabs are packed horizontally to avoid that the slabs fall from the pallet and the use of carton is minimal (87.5 gr/m<sup>2</sup>) in order to minimize the waste on the construction site. The product is technical unglazed porcelain and some light impurities and dots must be considered as a standard feature of the product.

### TECHNICAL SPECIFICATIONS - PORCELAIN SLABS ISO 13006 - G - Bla UGL (E ≤ 0,5%) UNI EN 14411 - G -

TECHNICAL SPECIFICATIONS	NORMA ISO STANDARD	THICKNESS	INTERNATIONAL STANDARDS	AVERAGE GIGACER VALUE		
DIMENSIONAL CHARACTERISTICS	ISO 10545-2	-	S > 410			
SIDES		-	± 0,6%	± 0,2%		
THICKNESS		-	± 5%	± 3%		
STRAIGHTNESS OF EDGES		-	± 0,5%	± 0,2%		
RECTANGULARITY		-	± 0,6%	± 0,2%		
SURFACE FLATNESS		-	± 0,5%	± 0,2%		
WATER ABSORPTION		ISO 10545-3	-	≤ 0,5%	≤ 0,1%	
BENDING STRENGTH	ISO 10545-4	≠ 4.8 mm	≥ 35N/mm <sup>2</sup>	≥ 40 N/mm <sup>2</sup>		
		≠ 6 mm	≥ 35N/mm <sup>2</sup>	≥ 40 N/mm <sup>2</sup>		
		≠ 12 mm	≥ 35N/mm <sup>2</sup>	≥ 40 N/mm <sup>2</sup>		
MODULUS OF RUPTURE	ISO 10545-4	≠ 4.8 mm	> 700N (sp. < 7,5mm)	> 700 N		
		≠ 6 mm	> 700N (sp. < 7,5mm)	> 700 N		
		≠ 12 mm	> 1.300N (sp. ≥ 7,5mm)	≥ 4000 N		
		≠ 24 mm	> 1.300N (sp. ≥ 7,5mm)	18,14 kN (=18.140 kgF)		
RESISTANCE TO DEEP ABRASION	ISO 10545-6	-	≤ 175mm <sup>3</sup>	≤ 145 mm <sup>3</sup>		
COEFFICIENT OF LINEAR THERMAL EXPANSION	ISO 10545-8	-	≤ 9x10 <sup>-6</sup> °c <sup>-1</sup>	≤ 7x10 <sup>-6</sup> °c <sup>-1</sup>		
RESISTANCE TO THERMAL SHOCKS	-	-	AVAILABLE METHOD	RESISTANT		
FROST RESISTANCE	ISO 10545-12	-	AVAILABLE METHOD	RESISTANT		
RESISTANCE TO CHEMICAL ATTACKS	ISO 10545-13	-	min. UB	RESISTANT		
STAIN RESISTANCE	ISO 10545-14	-	AVAILABLE METHOD	RESISTANT		
SURFACES	THICKNESS	DIN 51130	DIN 51097	BCR	BRITISHPENDULUM BS7976	R9729 UPI/EMPA
MADE 2.0 MAT	≠12mm ≠24mm	R10	-	> 0,40	> 36 WET except for ice colour	GS2/GB1
MADE 2.0 BOCCIARDATO	≠12mm ≠24mm	R11	A + B + C	> 0,40	> 36 WET	GS3/GB2



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Technical multilayer porcelain stoneware slabs produced with “Continua” and “Continua Plus” technology using coloured mixed powders. The slabs are produced without glazes and with high surface and mechanical resistance. Concrete is available in 12mm and 4.8mm thickness in all standard sizes, to facilitate the preparation of the screeds. All standard sizes are chamfered on all sides. The surface is textured to replicate the surface of concrete. It’s available in 8 colours and in the following standard sizes: 1190x1190mm, 1190x594mm, 594x594mm, 594x296mm. A wide range of mosaics, special pieces and decorated pieces is available too. The product in 4.8mm thickness can be used on a new screed, provided it has been well seasoned, without using reinforcing fibres. Modular layout is possible between all standard sizes with 2mm joint spacing. Tolerances are 0,5mm in calibre and 0,3% in planarity. The high degree of resistance and the accurate planarity achieved through Continua technology allow to stratify homogeneous porcelain stoneware doughs pressed a first time with 100kg/cm<sup>2</sup> and a second time with 500 kg/cm<sup>2</sup> pressure with a 7200 tons press. The slabs are fired at 1300°C and stay at the maximum temperature for 15 minutes. The cooling tensions are stabilized. All the raw materials used have a very low iron content and contain no lead. All the output is produced respecting quality standard ISO 9001 and environmental standard ISO 14001. The powders dissipated in the environment weigh 0,30gr per m<sup>2</sup> produced and broadly respect the most restrictive laws that tolerate 5.0 gr/m<sup>2</sup>. The packaging is accident preventive. The slabs are packed horizontally to avoid that the slabs fall from the pallet and the use of carton is minimal (87.5 gr/m<sup>2</sup>) in order to minimize the waste on the construction site. The product is technical unglazed porcelain and some light impurities and dots must be considered as a standard feature of the product.

TECHNICAL SPECIFICATIONS - PORCELAIN SLABS ISO 13006 - G - Bia UGL (E ≤ 0,5%) UNI EN 14411 - G -						
TECHNICAL SPECIFICATIONS		NORMA ISO STANDARD	THICKNESS	INTERNATIONAL STANDARDS	AVERAGE GIGACER VALUE	
DIMENSIONAL CHARACTERISTICS		ISO 10545-2	-	S > 410		
SIDES			-	± 0,6%	± 0,2%	
THICKNESS			-	± 5%	± 3%	
STRAIGHTNESS OF EDGES			-	± 0,5%	± 0,2%	
RECTANGULARITY			-	± 0,6%	± 0,2%	
SURFACE FLATNESS			-	± 0,5%	± 0,2%	
WATER ABSORPTION		ISO 10545-3	-	≤ 0,5%	≤ 0,1%	
BENDING STRENGTH		ISO 10545-4	≠ 4.8 mm	≥ 35N/mm <sup>2</sup>	≥ 40 N/mm <sup>2</sup>	
			≠ 6 mm	≥ 35N/mm <sup>2</sup>	≥ 40 N/mm <sup>2</sup>	
			≠ 12 mm	≥ 35N/mm <sup>2</sup>	≥ 40 N/mm <sup>2</sup>	
MODULUS OF RUPTURE		ISO 10545-4	≠ 4.8 mm	> 700N (sp. < 7,5mm)	> 700 N	
			≠ 6 mm	> 700N (sp. < 7,5mm)	> 700 N	
			≠ 12 mm	> 1.300N (sp. ≥ 7,5mm)	≥ 4000 N	
			≠ 24 mm	> 1.300N (sp. ≥ 7,5mm)	18,14 kN (=18.140 kgF)	
RESISTANCE TO DEEP ABRASION		ISO 10545-6	-	≤ 175mm <sup>3</sup>	≤ 145 mm <sup>3</sup>	
COEFFICIENT OF LINEAR THERMAL EXPANSION		ISO 10545-8	-	≤ 9x10 6°c 1	≤ 7x10 6°c 1	
RESISTANCE TO THERMAL SHOCKS		-	-	AVAILABLE METHOD	RESISTANT	
FROST RESISTANCE		ISO 10545-12	-	AVAILABLE METHOD	RESISTANT	
RESISTANCE TO CHEMICAL ATTACKS		ISO 10545-13	-	min. UB	RESISTANT	
STAIN RESISTANCE		ISO 10545-14	-	AVAILABLE METHOD	RESISTANT	
SURFACES	THICKNESS	DIN 51130	DIN 51097	BCR	BRITISHPENDULUM BS7976	R9729 UPI/EMPA
KREA	≠4.8mm	R10	A + B*	> 0,40	-	GS1
	≠12mm ≠24mm	R10	A + B	> 0,40	> 36 WET	GS2/GB1

# GIGACER®

## LIGHT

EN

Technical multilayer porcelain stoneware slabs produced with “Continua” and “Continua Plus” technology using coloured mixed powders. The slabs are produced without glazes and with high surface and mechanical resistance. Light is available 4.8mm thickness in all standard sizes, to facilitate the preparation of the screeds. All standard sizes are chamfered on all sides. The product comes in 5 different surface textures: gesso, scolpito, roccia, crespo, rigato. It's available only in a bright white colour in the following standard sizes: 1190x1190mm, 1190x594mm, 594x594mm, 594x296mm. A wide range of mosaics and special pieces is available too. The product in 4.8mm thickness can be used on a new screed, provided it has been well seasoned, without using reinforcing fibres. Modular layout is possible between all standard sizes with 2mm joint spacing. Tolerances are 0,5mm in calibre and 0,3% in planarity. The high degree of resistance and the accurate planarity achieved through Continua technology allow to stratify homogeneous porcelain stoneware doughs pressed a first time with 100kg/cm<sup>2</sup> and a second time with 500 kg/cm<sup>2</sup> pressure with a 7200 tons press. The slabs are fired at 1300°C and stay at the maximum temperature for 15 minutes. The cooling tensions are stabilized. All the raw materials used have a very low iron content and contain no lead. All the output is produced respecting quality standard ISO 9001 and environmental standard ISO 14001. The powders dissipated in the environment weigh 0,30gr per m<sup>2</sup> produced and broadly respect the most restrictive laws that tolerate 5.0 gr/m<sup>2</sup>. The packaging is accident preventive. The slabs are packed horizontally to avoid that the slabs fall from the pallet and the use of carton is minimal (87.5 gr/m<sup>2</sup>) in order to minimize the waste on the construction site. The product is technical unglazed porcelain and some light impurities and dots must be considered as a standard feature of the product.

### TECHNICAL SPECIFICATIONS - PORCELAIN SLABS ISO 13006 - G - BIa UGL (E ≤ 0,5%) UNI EN 14411 - G -

TECHNICAL SPECIFICATIONS	NORMA ISO STANDARD	THICKNESS	INTERNATIONAL STANDARDS	AVERAGE GIGACER VALUE		
DIMENSIONAL CHARACTERISTICS	ISO 10545-2	-	S > 410			
SIDES		-	± 0,6%	± 0,2%		
THICKNESS		-	± 5%	± 3%		
STRAIGHTNESS OF EDGES		-	± 0,5%	± 0,2%		
RECTANGULARITY		-	± 0,6%	± 0,2%		
SURFACE FLATNESS		-	± 0,5%	± 0,2%		
WATER ABSORPTION		ISO 10545-3	-	≤ 0,5%	≤ 0,1%	
BENDING STRENGTH	ISO 10545-4	≠ 4.8 mm	≥ 35N/mm <sup>2</sup>	≥ 40 N/mm <sup>2</sup>		
		≠ 6 mm	≥ 35N/mm <sup>2</sup>	≥ 40 N/mm <sup>2</sup>		
		≠ 12 mm	≥ 35N/mm <sup>2</sup>	≥ 40 N/mm <sup>2</sup>		
MODULUS OF RUPTURE	ISO 10545-4	≠ 4.8 mm	> 700N (sp. < 7,5mm)	> 700 N		
		≠ 6 mm	> 700N (sp. < 7,5mm)	> 700 N		
		≠ 12 mm	> 1.300N (sp. ≥ 7,5mm)	≥ 4000 N		
		≠ 24 mm	> 1.300N (sp. ≥ 7,5mm)	18,14 kN (=18.140 kgF)		
RESISTANCE TO DEEP ABRASION	ISO 10545-6	-	≤ 175mm <sup>3</sup>	≤ 145 mm <sup>3</sup>		
COEFFICIENT OF LINEAR THERMAL EXPANSION	ISO 10545-8	-	≤ 9x10 <sup>-6</sup> °c <sup>-1</sup>	≤ 7x10 <sup>-6</sup> °c <sup>-1</sup>		
RESISTANCE TO THERMAL SHOCKS	-	-	AVAILABLE METHOD	RESISTANT		
FROST RESISTANCE	ISO 10545-12	-	AVAILABLE METHOD	RESISTANT		
RESISTANCE TO CHEMICAL ATTACKS	ISO 10545-13	-	min. UB	RESISTANT		
STAIN RESISTANCE	ISO 10545-14	-	AVAILABLE METHOD	RESISTANT		
SURFACES	THICKNESS	DIN 51130	DIN 51097	BCR	BRITISHPENDULUM BS7976	R9729 UPI/EMPA
LIGHT Crespo / Scolpito	≠4.8mm	R10	A + B	> 0,40	-	GS1
LIGHT Gesso / Rigato / Roccia		R9	A	> 0,40	-	GS1



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