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ENHANCE YOUR









Designed exclusively for 'SPACERA' and 'LUMIERA' dealers' segments.

CHEFSTONE

BRINGING CREATIVITY TO YOUR KITCHEN

We believe that the kitchen, being one of the most active and important parts of the house demands extra care. Spending time in the kitchen for cooking is a creative process. 'CHEFSTONE' is created to complement the creativity that the process of cooking possesses.

We have created 'CHEFSTONE' with our latest innovation - POSH Surface, created with IM+. It includes two collections of homogeneous products that are minimalistic in style which require minimum maintenance. The special thickness of 15mm ensures the durability that you would expect to have in your kitchen countertops.

Having colors that match contemporary styles, both the collections of 'CHEFSTONE' are capable of redefining your kitchen space.

AN INNOVATION BY



SAGA-EPOCALE SERIES

SIZE - 79x300cm SURFACE - POSH, GLOSSY TYPE - FULL BODY THICKNESS - 15mm COLORS - 6



PIXEL SERIES

SIZE - 79x300cm SURFACE - GLOSSY TYPE - FULL BODY THICKNESS - 15mm COLORS - 6

APPLICATION AREAS

























COUNTER

WINDOW

VANITY

WASH BASIN

SHOWER BASE

BATHTUB



iM⁺ TECHNOLOGY

TOWARDS A BETTER YOU

Today, safety, health and wellness are amongst the greatest concerns and causes of stress. However, this has given us an opportunity to come up with innovative solutions that either eliminate or lessen the challenges that we face due to them. Therefore, Simpolo introduces a technology for the first time in India, that



removes uncertainties or stress involving the safety within your home. The 'iM+ Technology' helps product surfaces repel any liquid without allowing unwanted or harmful living organisms to stay or grow. This water repellent and antibacterial surface created with 'iM+' requires the lowest maintenance efforts, keeping you from second-guessing and stressing about your safety indoors



CHEFSTONE

SAGA-EPOCALE SERIES

NOW SOPHISTICATION HAS A NEW NAME

The beauty of 'SAGA-Epocale' is the result of innovative and exclusive technology. We have created six 'SAGA' designs using colored clay powder and clay flakes throughout the tile's body without using any conventional liquid ink on the surface. The collection consists of tiles that have colored and metallic flakes that are created with high precision which enriches the aesthetics of the surface. For the convenience of choice, all six designs are available in a Glossy Surface and POSH Surface.

'SAGA-Epocale' is our most exciting series of homogeneous kitchen products yet.



SAGA-EPOCALE SERIES







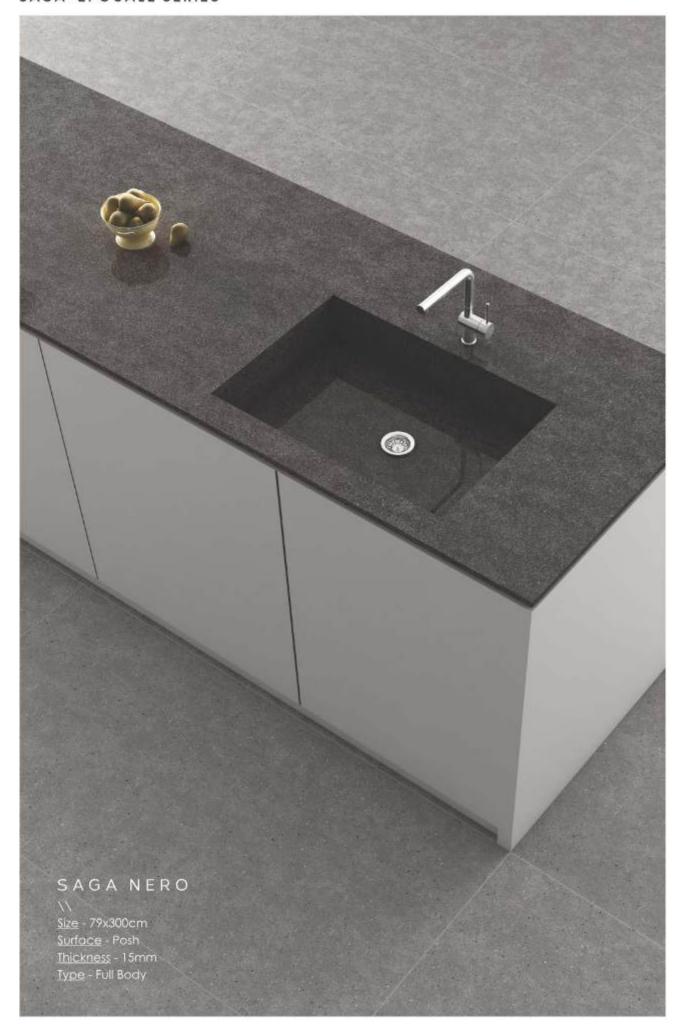
SAGA-EPOCALE SERIES







SAGA-EPOCALE SERIES







SAGA-EPOCALE SERIES



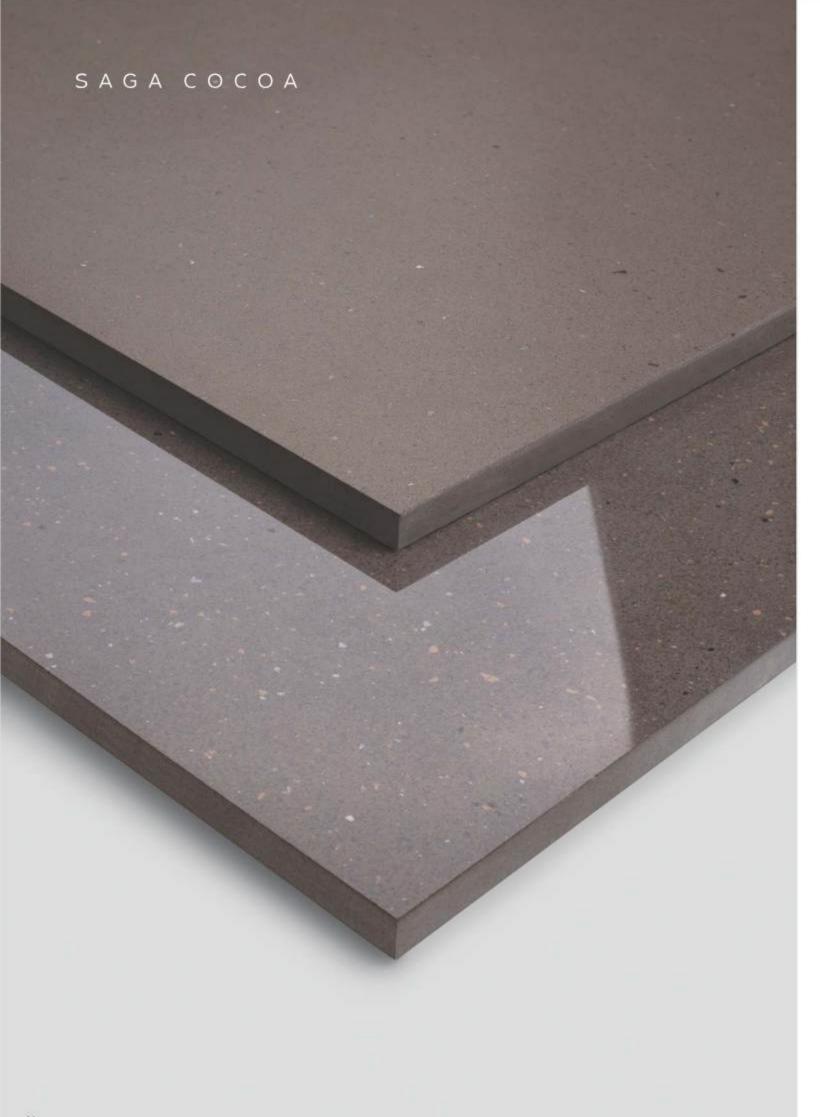




SAGA-EPOCALE SERIES





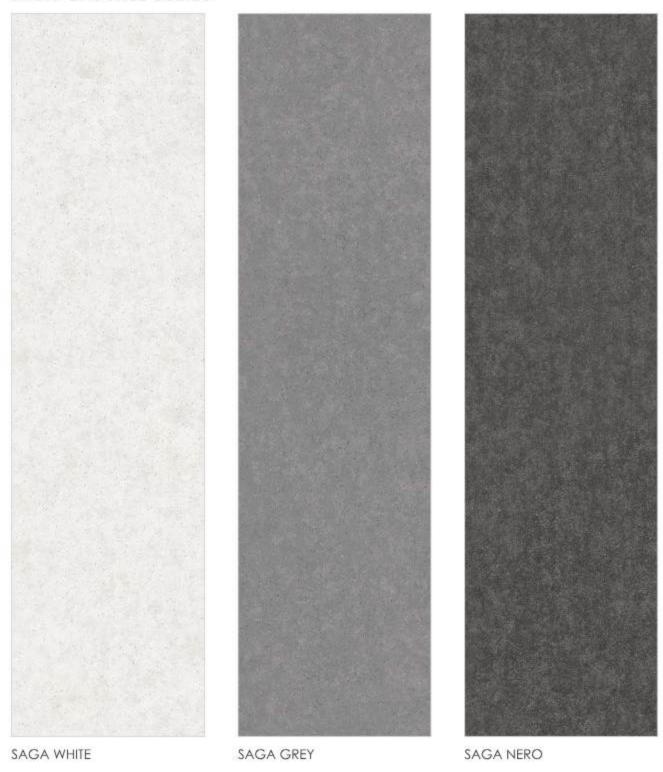


SAGA-EPOCALE SERIES





SAGA-EPOCALE SERIES









SAGA BIANCO

SAGA BARLEY

79x 300cm

Technology - iM^+

Surface - Posh, Glossy

Type - Full Body

Thickness - 15mm

CHEFSTONE



CHEFSTONE

PIXEL SERIES

SOPHISTICATION HAS NEVER BEEN SO INEXPENSIVE

'PIXEL' is created to compliment the six designs of 'SAGA-EPOCALE' having the same aesthetics that are contemporary and minimalistic. The use of colored clay particles to create a giant homogeneous ceramic slab that looks like thousands of small pixels brought together when you see it closely.

All the six colours of 'PIXEL' are available in strong thickness of 15mm and Polished finish with the latest 'iM+' Technology 'PIXEL' is an inexpensive range that enhances the usability of homogenous products' family with the same sophistication.







































PIXEL COCOA PIXEL BIANCO PIXEL BARLEY

79x 300cm

 ${\tt Technology-iM^+}$

Surface - Glossy

Type - Full Body

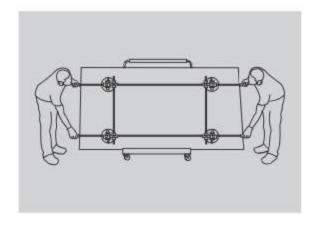
Thickness - 15mm

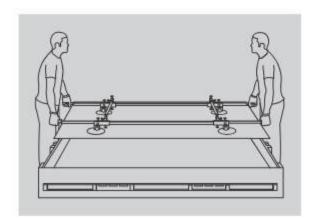
MANUALLY TRANSPORTING A CHEFSTONE

COUNTERTOP

Only for 1/4" Slabs

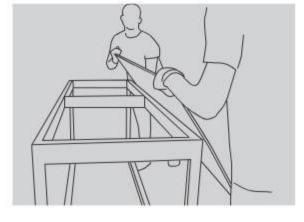
MOVING A CHEFSTONE COUNTERTOP





RAISING A CHEFSTONE COUNTERTOP ONTO A BENCH

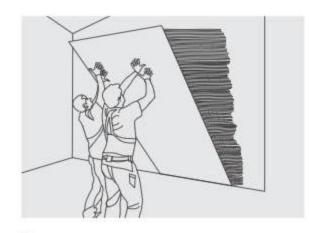


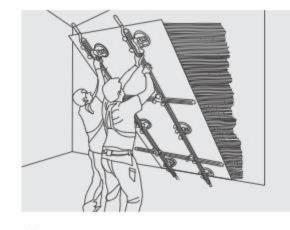


X INCORRECT

√ CORRECT

HANDLING CHEFSTONE FOR WALL





✓ CORRECT

X INCORRECT

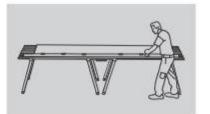
WORKING WITH THE VARIOUS VERSIONS OF

CHEFSTONE COUNTERTOP

CUTTING WITH DIAMOND DISCS



- All products of Chefstone can be cut using diamond discs fitted onto hand-held. electrical grinding machine. Disc rotation speed must: be high (<10000 RPM) and a low feed rate (> 1 m/ min). Depending on the type of disc and the length of the cut, it may be necessary to cool the disc with water. Recommended discs are the thin types generally used for cutting porcelain stoneware. The advantages of this type of cut include ease-of- execution and the possibility to cut during installation.



- Tile should be kept on FLAT support while cutting Do not keep any hollow gaps underneath the tile.

DRILLING





 As an alternative, you can use cutting discs fitted to angle grinders, electrical drills or battery-operated screwdrivers.

INTERNAL CUT / L-SHAPED CUT



- To obtain internal and L-shaped corners, round off the vertex of the internal corner using bits with a radius of at least 5mm that reduce the risk of breakage. Then cut with diamond discs, taking care to stop moving the cutting tool forward when you reach the hole previously drilled. To drill and cut using diamond discs, follow the instructions provided above.

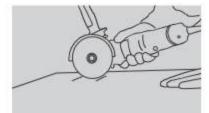
When using these tools:

- Cool the point being drilled with water
- Do not exert too much pressure and bear in mind the resistance of the type of laminated stoneware you are working on
- If you are using tungsten bits, start drilling at a low speed
- If you are using drills or screwdrivers, do not select hammering mode

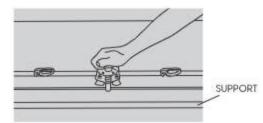
EDGE-FINISHING



- Edges can be finished by hand using abrasive diamond sponges or emery paper. With a light passage on the side of the slab, you can obtain a slightly rounded-off edge or with repeated passages a bevelled effect



- The same results can be obtained with sanding discs fitted onto handheld angle grinders.



- While cutting the STRIP from the tile, put a strong support on the edge of the tile from edge to edge and then cut it. This is a must do to avoid breaking of the tile from the edges.

INSTRUCTIONS FOR MANUAL INSTALLATION:

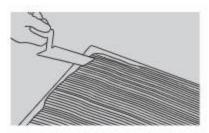
APPLYING ADHESIVE

SINGLE LAYER METHOD



- This method refers only to adhesives that bear the indication "single- layer" by the manufacturer. Spread adhesive on the complete surface of the support. Follow the instructions of the manufacturer of the adhesive as regards type of spatula, and spreading methods.

DOUBLE-LAYER METHOD



- Apply adhesive with the double-layer technique i.e. by spreading a full bed adhesive on the surface, using a 6mm, square notched trowel. Then apply the adhesive also to the rear of the slab using a 3mm square notched trowel. Remember to add extra adhesive on the corners of the tile.

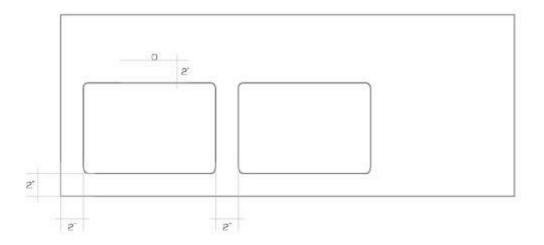
COMPRESSING THE TILE



- After laying the tile, make sure it is firmly bound to the underlying surface to prevent gaps and air bubbles forming. For this purpose you must use a tile beater with a rubber bottom.

CUTOUT DESIGN

The minimum distance between a cutout and the edge of the slab must be at least 2°. The size recommends distances greater than 2° when the kitchen design allows as it makes the countertop firmer.



IMPORTANT



All cutout corners must have a minimum diameter of 1/4°. Never leave 90° angles.

We recommend radiuses of more than 1/4" when the kitchen design allows as it makes the countertop firmer.













The correct way to create a cutout, except with waterjet and digital control bits, is to first drill the corners and then the rest of the cuts.

GUIDELINES FOR CUTOUTS:

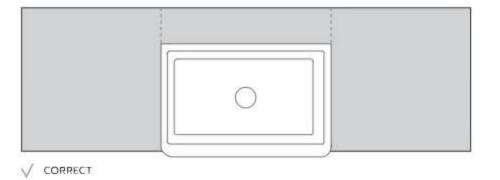
- Two straight cuts must never be joined
 No squared inner corners
 All inner corners must have one radius

If the countertop design so allows, avoid large cutouts. Experienced manufacturers make large cutouts but following their own risk assessment.

If the countertop design so allows avoid Chefstone countertops with unbalanced weights



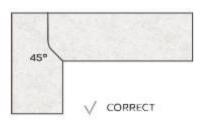
Irregular cuts are also not recommended such as for a "farmhouse sink"; in these cases, add joints to the countertop design:



OBSERVATIONS

L-shaped countertops

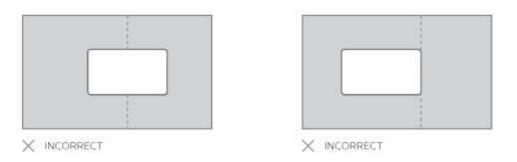
Dividing L-shaped countertops into several parts is recommended to avoid 90° corners in one part.





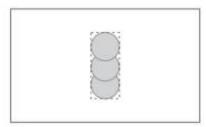
Make sure the furniture is in perfect conditions and level before installing this type of countertop:

OTHER TYPES OF DESIGNS TO BE AVOIDED:



SOCKETS AND SWITCHES:

Gaps made to insert accessories (sockets, switches, etc.) should be done using circular drills; they may overlap.



√ CORRECT

CHEFSTONE COUNTERTOP CLEANING INSTRUCTIONS

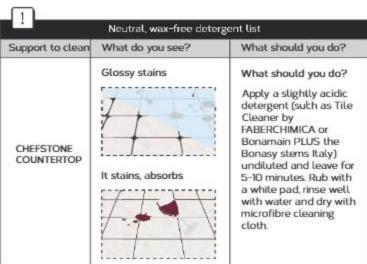
DAY TO DAY CLEANING

Chefstone countertops are very easy to clean and does not require special maintenance.

For daily care, use neutral detergents diluted with plenty of hot water. Detergents should not contain wax or leave glossy stains. Dry with a good quality microfibre cloth. Rinse with water once cleaned and clean off the water using another dry microfibre cloth. The detergents used should be diluted on the basis of information provided on the product packaging. Carry out a first cleaning upon the installation of the kitchen countertop in order to remove traces or residues of mastics and silicones, possibly used during installation.

With time and with the use of ordinary detergents sold commercially, opaque films can be formed on the surface of the plate. Some drink such as Coca Cola @water and wine, if split on the surface of the tile could eliminate these films and restore the original appearance. The "stains" created by drinks will be the only really clean parts of the tile. To avoid the formation of these waxes, and opaque stains, it is recommended to use only neutral detergents for routine cleaning. To remove the above mentioned stains the entire surface of the tile must be "dewaxed".

	ons given on the package e actual use. This applies or polished products.
Name of detergent	Manufacturer
Floor Cleaner Fila Cleaner Pflegereiniger HMK P15 Bonamain Plus Bonadecon	Faberchimica Fila Lithofin HMK Bonasystems Italia Bonasystems Italia



RESISTANCE TO COLD LIQUIDS

Products	1.0	Contact Time				
	16 hours	1 hour	10 min	10 sec		
Acetic acid (10 % aqueous solution)	5	1	1	2		
Acetone	5	-	-	1		
Ammonia (10 % aqueous solution)	5	1	1	=		
Red Wine	5	1	1	9		
Citric acid (10 % aqueous solution)	5	1	1	-		
Detergent Solution	5	1	-	-		
Coffee	5	1	-	-		
Chloramine T (25% aqueous solution)	5	,	1	-		
Ethanol (48% aqueous solution)	5	1	1	-		
Ethyl-butyl acetate (11)	5	12	2	,		
Olive Oil	5	1	1	18		
Paraffin oil	5	1		2		
Sodium Carbonate (10 % aqueous solution)	5	,		12		
Sodium chloride (15% aqueous solution)	5	1		2		
Tea	5	,		2		
Distilled water	5	,	-	-		
Lager Beer	5	,	1	2		

Evaluation of the results	1
7	Not necessary
-	Not required by UNI 10944

Products	Contact Time: 16 hours		
Cif Gel with bleach	5 (No change)		
Cif Spray active with bleach	5 (No change)		
Cillit Bang limestone and dirt	5 (No change)		
Cif Power Cream Kitchen	5 (No change)		
Ajax Classic Universal	5 (No change)		
Glassex with ammonia	5 (No change)		
Multipurpose Sanitizing Vetril	5 (No change)		
Ace bleach	5 (No change)		
Viakal	5 (No change)		
Denatured alcohol	5 (No change)		
Ammonia (sol6 / 7 %)	5 (No change)		
Mastro Lindo	5 (No change)		
Ajax floors	5 (No change)		
Rio Casamia floors	5 (No change)		
Lysoform Casa	5 (No change)		

Evaluation of the results	Contact Time 16 hours
5	No change
4	Slight level of change
3	Moderate level of Change
5	Significant level of Change
1	Very high level of change

HEAVY CLEANING

In general it is recommended to proceed with a first cleaning process with warm water and a mild detergent.

If this operation is not sufficient, one can proceed to more aggressive cleaning techniques, depending on the nature of the stain.

It is very important to respect the information in the data sheets and labels of the products used.

With the use of cleaners listed below, it is recommended to pay special attention, as they are particularly aggressive, especially around the cooking hob, sink and in any adjacent elements that are not made of laminated porcelain.

upport to lean	Type of dirt	What to use	Instructions	Name of detergent	Manufacturer
	Coffee, Coca Cola®, fruit juice	Detergent Alkaline-based	Follow the instructions given by the manufacturer of the detergent	Coloured stain remover PsB7 Greslind	Faberchimica Hla Panaria Group
	Wine	Oxidising detergent	Follow the instructions given by the manufacturer of the detergent.	Oxidant	Faberchimica
	Lime residues	Acid-based etergents	Follow the instructions given by the manufacturer of the detergent. Test the product on the tiles before use. This acolies in particular to honed or polished products.	Viakal.	Procter & Gamble
NE	Rust	Acid-based etergents	Dilute the product and apply directly on the stain. Allow to act for 10/20 minutes then rinse thoroughly. If necessary repeat lest the product on the tiles before use. This applies in particular to honed of polished products.	Diluted muriatic acid	(various manufacturers))
COUNTERTOP	Pencil marks and metal marks	Abrasive paste	Follow the instructions given by the manufacturer of the detergent. Test the product on the tiles before use. This applies in particular to honed or polished products.	Polishing cream Vim clorex Detergum (*) Strong remover (*) (*)DO NOT use on lapped or polished products	Faberchimica Guaber Zep Italia Faberchimica
	inkfelt-tip pen	Detergent solvent based	Solvents should be applied undituted directly on the stain. Let them act for about 15/30 seconds If necessary repeat. As far as "Coloured stain remover" is concerned, follow the manufacturer's instructions.	Nitro thinner 12-dichloroethylene Turpentine / white spirit Coloured stain remover	(various manufacturers) (various manufacturers) (various manufacturers) Faberchimica
	Nail polish	Detergent solvent based	Solvents should be applied undifuted directly on the stain. Let them act for about TS/30 seconds If necessary repeat.	Acetone Solvent for nait polish	(various manufacturers) (various manufacturers)
	Dirt from grout	Detergent for grout	Follow the instructions given by the manufacturer of the detergent	Fuganet Fugenreiniger	Fila Lithofin

PHYSICAL AND CHEMICAL CHARACTERISTCS

						Only on demand		
	Technical Characteristics	Standard/Test Method	Values LINEA 3mm	Values LINEA 3plus	Values LINEA Splus	Values LINEA 5 <u>mm</u>	Values CHEFSTONE DOUBLE-LAYER	
V	Water absorption	ISO 14617- 1ASTM C97	≥ 0,05%	≥ QO5%	> Q.05%	≥ QO5%	≥ Q05%	
_	Bending strength	ISO 14617-2	(Depending on the type of support)	< SOMPa				
**	Frost- resistance	ISO 14617-5	KM f25 = 1					
^	Chemical Resistance to house hold cleaning products	ISO 14617-10	C4 No visible effect					
*	Resistance to cold liquids	EN 12720	5 No visible effect					
<u>0</u>	Deep abrasion resistance	ISO 14617-4	300 mm.	300 mm	300 mm	300 mm	300 mm	
<u> </u>	Scratch resistance	UNI 942B	5 No visible effect					
Ü	Release of lead and cadmium	150 10545-15	No emission					
*	Light Resistance	UNI EN 15187	5 No visible effect					
ţ	Impact Resistance	EN 14617-9	(Depending on the type of support)	Mean value = 3J				

TECHNICAL SPECIFICATION

CHARACTERISTIC	STANDARD AS PER ISO13006:2018/ EN14411 Gr.Bla	MEAN VALUE OF SIMPOLO	TEST METHOD	
Regulatory Properties —				
Deviation in Length and Width	± 0.30 % (±1.00mm)	±0.10 %	ISO 10545-2	
Deviation in Thickness	± 5.00 % (±0.50mm)	± 5.00 %	ISO 10545-2	
Straightness in Side	± 0.30 % (±0.80mm)	± 0.10 %	ISO 10545-2	
Rectangularity	± 0.30 % (±1.50mm)	±0.10%	ISO 10545-2	
Surface Flatness Central Curvature	± 0.40 % (±1.80mm)	± 0.50 %	ISO 10545-2	
Surface Flatness Edge Curvature	± 0.40 % (±1.80mm)	± 0.50 %	ISO 10545-2	
Surface Flatness Warpage	± 0.40 % (±1.80mm)	±0.50%	ISO 10545-2	
Surface Quality	> 95% defects free	> 95% defects free	ISO 10545-2	
Small Color Difference(for Plain Colour)	ΔE < 0.75	∆E < 0.30	ISO 10545-16	
Glossiness (Polished)	as per mfg.	Gloss Value> 90	Gloss Meter 60°	
Glassiness (Matt)	as per mfg.	3 < Gloss Value < 7	Gloss Meter 60°	
Glossiness (Satin/Pash)	as per mfg.	7 <gloss td="" value<18<=""><td>Gloss Meter 60°</td></gloss>	Gloss Meter 60°	
Structural Properties —		Section and Country and Country 1 (1977)		
Water absorption	≤ 0.50 %	≤0.060 %	ISO 10545-3	
Bulk density	as per mfg.	Min. 2.28 g/cc	ISO 10545-3	
Massive Mechanical Properties ————	3144-042301 120440	(NAVIDERO-GREEN ENRISE)		
Modulus of rupture	Min. 35.0 N/mm ²	Min. 40.0 N/mm ²	ISO 10545-4	
Modulus of rupture (For ≥15 mm)	Min. 35.0 N/mm ²	Min. 42.0 N/mm²	ISO 10545-4	
Breaking strength thickness <7.5	Min. 700.0 N	Min. 1000.0 N	ISO 10545-4	
Breaking strength thickness ≥7.5	Min. 1300.0 N	Min. 1800.0 N	ISO 10545-4	
Breaking strength thickness ≥7.5(15mm)	Min. 1300.0 N	Min. 7500.0 N	ISO 10545-4	
Surface Mechanical Properties ————		196.032516250501		
MOH'S hardness #	as per mfg.	Glossy Min. 4*/ Posh Min. 6	BS EN 15771	
Deep abrasion resistance #	Max. 175mm³	Max. 132mm³	ISO 10545-6	
Thermal Hydrometric Properties ————				
Moisture expansion	Max. 0.06%(0.6mm/m)	Max. 0.02mm/m	ISO 10545-10	
Thermal expansion(COE) at 100°C	as per mfg.	Max. 6.0 x 10*	ISO 10545-8	
Thermal shock resistance	Min. 10 Cycle	Min. 10 Cycle	ISO 10545-9	
Impact resistance(COR) #	Min. 0.55	Min. 0.55	ISO 10545-5	
Frost resistance	as per mfg.	Frast Proof	ISO 10545-12	
Chemical Properties —				
Resistance to staining glazed	Min. Class 3	Min. Class 4	ISO 10545-14	
Resistance to household chemicals & swimming pool salts glazed	Min. Class UB	Min. Class UA	ISO 10545-13	
Resistance to low concentrate acid and alkalis glazed	as per mfg.	Min. Class ULB**	ISO 10545-13	
Resistance to high concentrate acid and alkalis glazed	as per mfg.	Min. Class UHB**	ISO 10545-13	
Safety Properties —				
Skid resistance(DCOF-DRY) ##	as per mfg.	Glossy P0(<12) / Posh ≥P1(12-24)	BS 7976-2	
Slip resistance(DCOF) (R value) ##	as per mfg.	R9 to R13	DIN 51130	

PACKING DETAILS

PRODUCT	SIZE	ACTULE SIZE	SIZE IN INCH	THICKNESS	TILES / BOX	COVERAG	GE AREA / BOX
CHEFSTONE	79x300cm	790x3000mm	31x118in	15mm	1pc	25.51 Sq ft	2.37 Sq m

^{*} With Nano polished

** Except Hydrofluoric Acid & it's compound

Tiles Intended for use on floor

As per customer requirement