





INVENTING UNIQUE STONES

We have witnessed various kinds of stones used to our advantage for different purposes. However, the physical characteristics of natural stones, marble and artificial stones such as quartz and engineered stones make them vulnerable to scratches, stains, heat and weather, 'Neotra Stones' were born to overcome these limitations.

Neotra Stones are available in 12mm and 20mm thickness in homogeneous structure as well as colour body in contemporary designs. They are far more superior than any natural or artificial stones. Neotra stones are stain-free, anti-bacterial, scratch-resistant and have more strength. We have created unique Neotra Stones using natural minerals for a better tomorrow.



Encompass the urban
allure in your spaces





SPA Collection

Establish an ageless
prominence in your spaces



SPA WHITE



SPA BARLEY



SPA BLACK



SPA SILVER



SPA MOCHA



SPA BIANCO

INMENSA

Collection

Instill the fascinating
elegance and charm



CARRARA TWING



MICHELANGELO RUST



SARONA NIGHT



STATUARIO NATURAL



AGARSEN NERO



STATUARIO ELEGANT

1600

3200



NEOTRA STONES

Neotra Stones offer designs that flaunt unique features, an individualistic streak, superior quality, and advanced technology within a state-of-the-art infrastructure facility which produces the best products with a distinct edge. These slabs are resistant to high temperature, require low maintenance effort as these are liquid repellent, scratch resistant and are easy to mould. install and elevate the look of your kitchen spaces with Neotra Stones.



FEATURES

The most important requirement in these modern times is the urgent need for hygiene. These Neotra stones are easy to clean providing you a germ-free surface.

iM+
iM+ Technology,
Towards A Better You

POSHTM
SURFACE
Confidently Smooth,
Comfortably Elegant.



Anti-Bacterial surface



Scratch and Abrasion resistant



Liquid repellent



Fire resistant



Heat resistant



Chemical and Stain resistant



Frost resistant



Impact resistant



Resistant to bending



Lowest maintenance efforts



iM⁺ 

**iM⁺ Technology,
Towards A Better You**



Antibacterial
surface



Liquid
repellent

We have never been as cautious as we are now about our health and hygiene. We are battling every day to increase our immunity and keep ourselves fit.

'iM+' derived from the word 'immunity'. 'iM+ Technology' is our most exciting innovation yet. It helps the product surface repel any liquid. It does not allow unwanted and harmful living organisms to stay and/or grow. It requires the lowest maintenance efforts.

We have and will always put our best efforts to keep your place better and safer.



POSHTM

SURFACE

Confidently Smooth,
Comfortably Elegant.



Lowest maintenance
efforts



Scratch and
Abrasion resistant

As smooth as the breezing wind, Posh Surface is yet another achievement for us. The exceptional surface is achieved with the exclusive and patented Italian technology, which is the first of its kind in India. It takes the surface quality to where no other technology can reach.

With this innovation, we have overcome the myth that smooth surfaces get scratches and stains. Despite having an unmatched smoothness, "Posh" Surface is resistant to scratches.



12mm



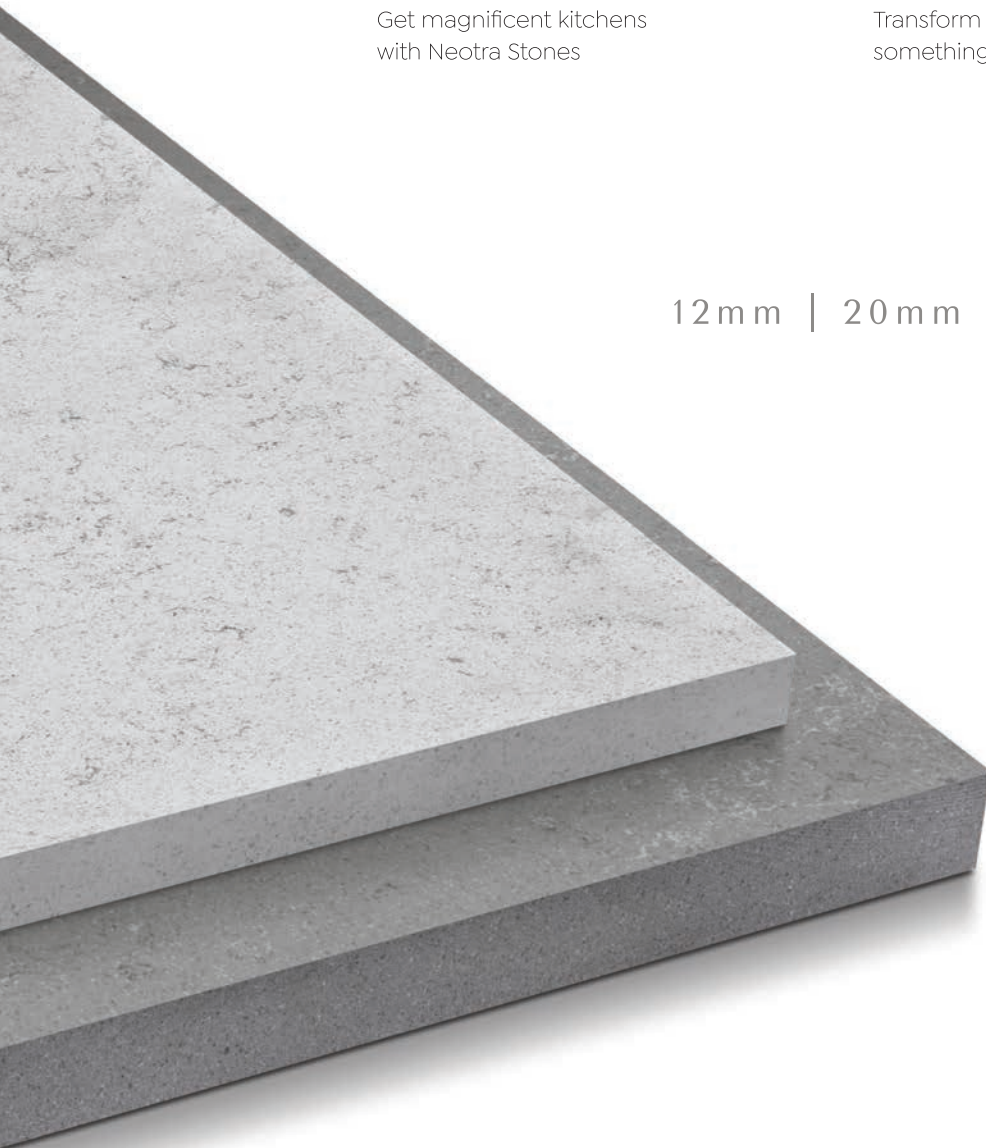
GLORIOUS TOPS WITH REGAL STYLE
Get magnificent kitchens
with Neotra Stones

20mm



ENVISION THIS BEAUTY IN YOUR DÉCOR
Transform your kitchen into
something beautiful forever

12mm | 20mm



EDGE PROFILES

Giving nice trim to edges of the tiles that adds to its beauty. As these tiles are of the good thickness of 12mm and 20mm, it is possible to shape its edges in different styles and create aesthetically rich countertops for your space. Well trimmed edges also make for cleaner and elegant joints.



Flat



1/4 Bevel



1/4 Radius



1/2 Bullnose



Full Bullnose



Knife





SPA Collection

 NEOTRA[®]
STONES

SPA
Collection



12mm & 20mm

A flawless blend of elegance and durability.
Maintains all the parameters of surfaces strength, water
absorption and heat resistance.

SPA Collection



SPA WHITE



Size / Thickness

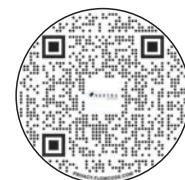
145x320cm - 57"x126"

160x320cm - 63"x126"

Surface - Posh

✂ 20mm Non Rectified

✂ 12mm Rectified



Scan for Virtual







SPA SILVER



Scan for Virtual
360°



Size / Thickness

145x320cm - 57"x126"
160x320cm - 63"x126"
Surface - Posh

≡ 20mm Non Rectified
≡ 12mm Rectified

SPA Collection



SPA BLACK



Size / Thickness

145x320cm - 57"x126"
160x320cm - 63"x126"
Surface - Posh

- ✂ 20mm Non Rectified
- ✂ 12 mm Rectified



Scan for Virtual
360°





SPA MOCHA



Scan for Virtual
360°



Size / Thickness

145x320cm - 57"x126"
160x320cm - 63"x126"
Surface - Posh

✂ 20mm Non Rectified
✂ 12 mm Rectified

SPA BARLEY



Size / Thickness

145x320cm - 57"x126"
160x320cm - 63"x126"
Surface - Posh

- ✚ 20mm Non Rectified
- ✚ 12 mm Rectified



Scan for Virtual
360°





SPA BIANCO



Scan for Virtual
360°



Size / Thickness

145x320cm - 57"x126"
160x320cm - 63"x126"
Surface - Posh

≡ 20mm Non Rectified
≡ 12 mm Rectified



SPA BARLEY



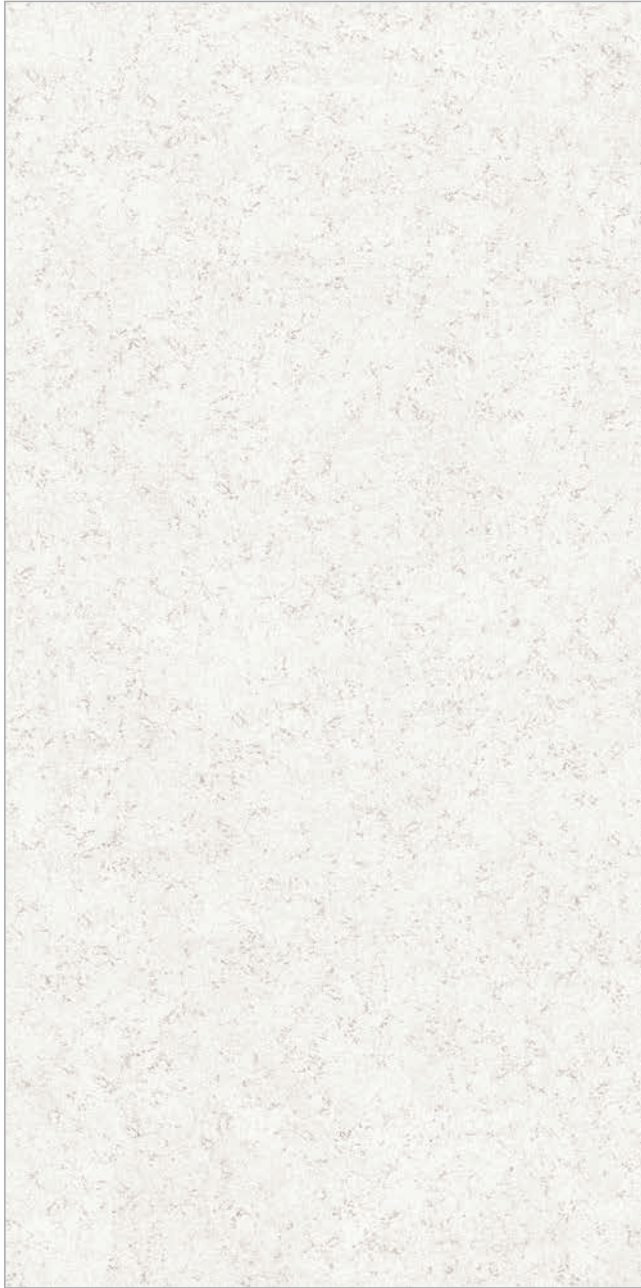
Scan for Virtual
360°



Size / Thickness

145x320cm - 57"x126"
160x320cm - 63"x126"
Surface - Posh

- ☞ 20mm Non Rectified
- ☞ 12mm Rectified



SPA WHITE



20mm Non Rectified

145x320cm - 57"x126" Posh



12mm Rectified

160x320cm - 63"x126" Posh



SPA SILVER



20mm Non Rectified

145x320cm - 57"x126" Posh



12mm Rectified

160x320cm - 63"x126" Posh



SPA BLACK



20mm Non Rectified

145x320cm - 57"x126" Posh



12mm Rectified

160x320cm - 63"x126" Posh



SPA MOCHA



20mm Non Rectified

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12mm Rectified

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12mm Rectified

160x320cm - 63"x126" Posh



SPA BIANCO



20mm Non Rectified

145x320cm - 57"x126" Posh



12mm Rectified

160x320cm - 63"x126" Posh



INMENSAA Collection

INMENSA

Collection



12mm & 20mm

An immensely timeless collection of stones offering a refined marble experience in your spaces.

CARRARA TWING



Size / Thickness

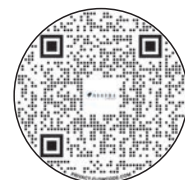
145x320cm - 57"x126"

160x320cm - 63"x126"

Surface - Posh

✚ 20mm Non Rectified

✚ 12mm Rectified



Scan for Virtual

360°





MICHELANGELO RUST



Scan for Virtual
360°



Size / Thickness

145x320cm - 57"x126"
160x320cm - 63"x126"
Surface - Posh

- ≡ 20mm Non Rectified
- ≡ 12mm Rectified

SARONA NIGHT



Size / Thickness

145x320cm - 57"x126"
160x320cm - 63"x126"
Surface - Posh

- ✚ 20mm Non Rectified
- ✚ 12mm Rectified



Scan for Virtual
360°





STATUARIO NATURAL



Scan for Virtual

360°



Size / Thickness

145x320cm - 57"x126"

160x320cm - 63"x126"

Surface - Posh

≡ 20mm Non Rectified

≡ 12mm Rectified

AGARSEN NERO



Size / Thickness

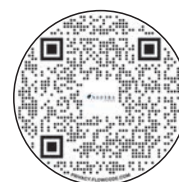
145x320cm - 57"x126"

160x320cm - 63"x126"

Surface - Posh

✂ 20mm Non Rectified

✂ 12mm Rectified



Scan for Virtual

360°





STATUARIO ELEGANT



Scan for Virtual
360°



Size / Thickness

145x320cm - 57"x126"
160x320cm - 63"x126"
Surface - Posh

- ≡ 20mm Non Rectified
- ≡ 12mm Rectified



20mm -Single Face-1



12mm-Random-3



CARRARA TWING



20mm Non Rectified

145x320cm - 57"x126" Posh

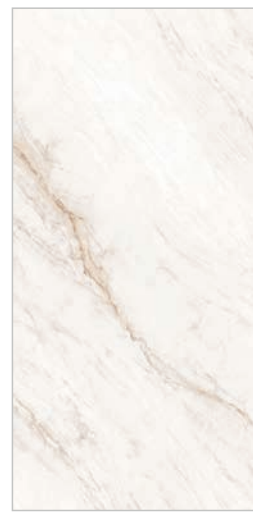
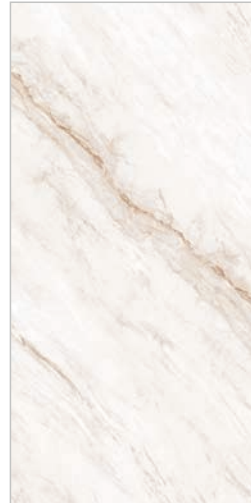


12mm Rectified

160x320cm - 63"x126" Posh



20mm -Single Face-1



12mm-Random-3

MICHELANGELO RUST



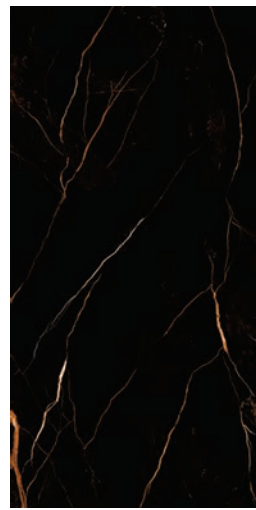
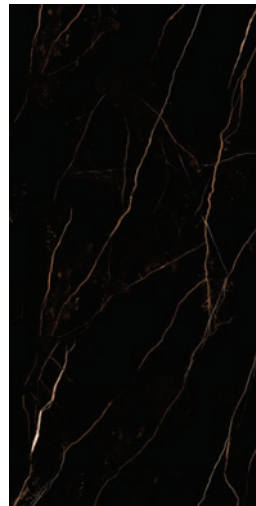
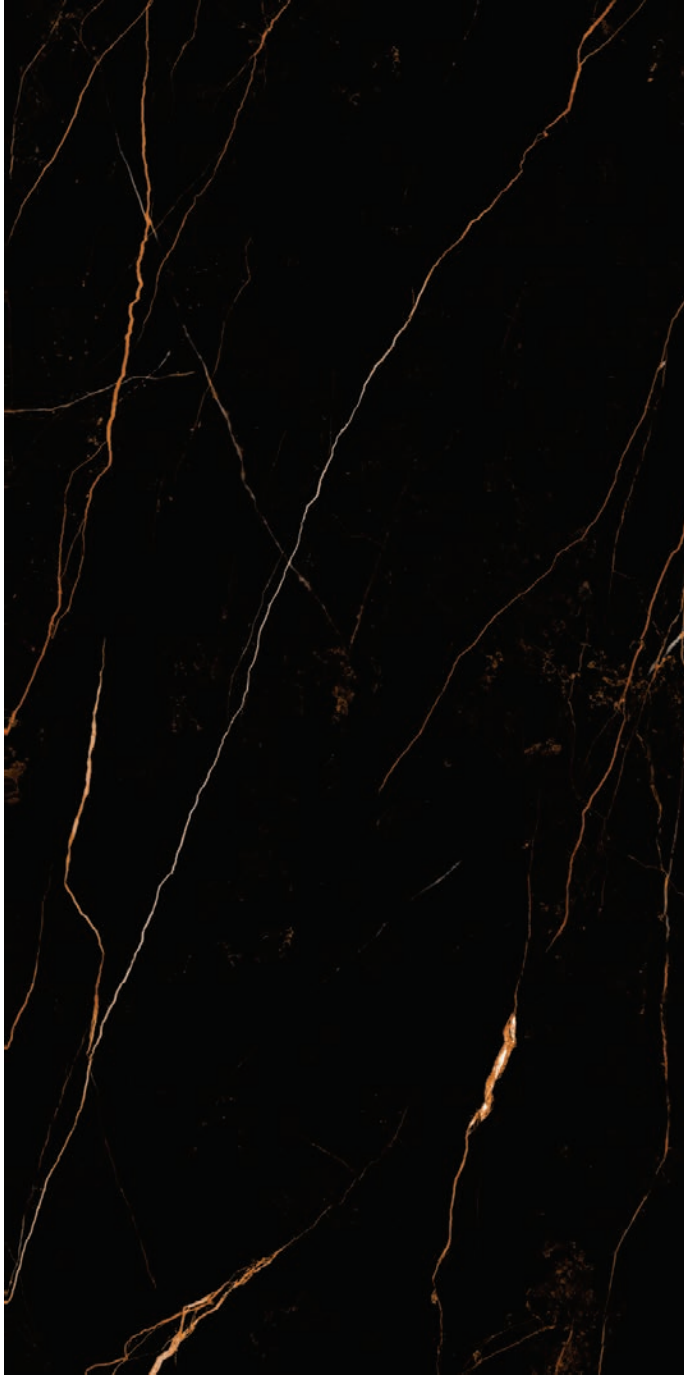
20mm Non Rectified

145x320cm - 57"x126" Posh



12mm Rectified

160x320cm - 63"x126" Posh



20mm -Single Face-1

12mm-Random-3

SARONA NIGHT



20mm Non Rectified

145x320cm - 57"x126" Posh

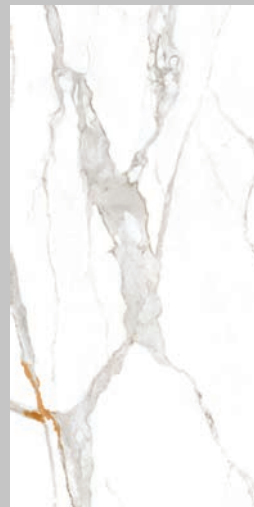


12mm Rectified

160x320cm - 63"x126" Posh



20mm -Single Face-1



12mm-Random-2

STATUARIO NATURAL



20mm Non Rectified

145x320cm - 57"x126" Posh

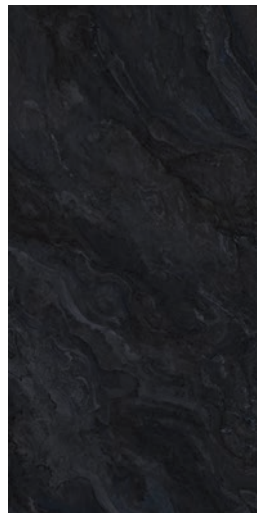


12mm Rectified

160x320cm - 63"x126" Posh



20mm -Single Face-1



12mm-Random-2

AGARSEN NERO



20mm Non Rectified

145x320cm - 57"x126" Posh

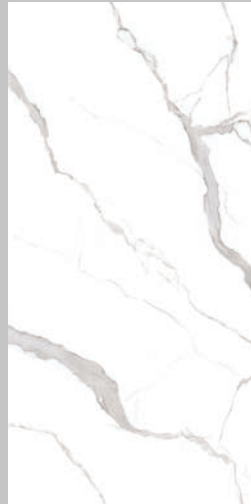


12mm Rectified

160x320cm - 63"x126" Posh



20mm -Single Face-1



12mm-Random-3

STATUARIO ELEGANT



20mm Non Rectified

145x320cm - 57"x126" Posh



12mm Rectified

160x320cm - 63"x126" Posh

TECHNICAL SPECIFICATION

| CHARACTERISTIC | STANDARD AS PER ISO13006:2018 / EN14411 Gr. Bla | METHOD OF TESTING | POSH | POLISHED (UG) | POLISHED (GL) |
|---|---|-------------------|-----------------------------|-----------------------------|-----------------------------|
| Regulatory Properties | | | | | |
| Deviation in Length and Width* | ±0.30 % (±1.00 mm) | ISO 10545-2 | ±1.0 mm (±0.20 %) | ±1.0 mm (±0.20 %) | ±1.0 mm (±0.20 %) |
| Deviation in Thickness* | ±5.0 % (±0.50 mm) | ISO 10545-2 | ±0.5 mm (±5.0 %) | ±0.5 mm (±5.0 %) | ±0.5 mm (±5.0 %) |
| Straightness in Side* | ±0.30 % (±0.80 mm) | ISO 10545-2 | ±0.8 mm(±0.20 %) | ±0.8 mm(±0.20 %) | ±0.8 mm(±0.20 %) |
| Rectangularity* | ±0.30 % (±1.50 mm) | ISO 10545-2 | ±1.2 mm(±0.20 %) | ±1.2 mm(±0.20 %) | ±1.2 mm(±0.20 %) |
| Surface Flatness Central Curvature* | ±0.40 % (±1.80 mm) | ISO 10545-2 | ±1.8 mm(±0.20 %) | ±1.8 mm(±0.20 %) | ±1.8 mm(±0.20 %) |
| Surface Flatness Edge Curvature* | ±0.40 % (±1.80 mm) | ISO 10545-2 | ±1.8 mm(±0.20 %) | ±1.8 mm(±0.20 %) | ±1.8 mm(±0.20 %) |
| Surface Flatness Warpage* | ±0.40 % (±1.80 mm) | ISO 10545-2 | ±1.8 mm(±0.20 %) | ±1.8 mm(±0.20 %) | ±1.8 mm(±0.20 %) |
| Surface Quality | >95% defects free | ISO 10545-2 | >95% defects free | >95% defects free | >95% defects free |
| Small Color Difference (For Plain Colour) | ΔE <1.00 | ISO 10545-16 | ΔE <0.80 | ΔE <0.80 | ΔE <0.80 |
| Structural Properties | | | | | |
| Water Absorption | ≤0.50 % | ISO 10545-3 | ≤0.080 % | ≤0.080 % | ≤0.080 % |
| Bulk Density | As per Manufacturer | ISO 10545-3 | > 2.28 gm/cc | > 2.28 gm/cc | > 2.28 gm/cc |
| Massive Mechanical Properties | | | | | |
| Modulus of Rupture >7.5 mm | Min. 35.0 N/mm ² | ISO 10545-4 | Min. 45.0 N/mm ² | Min. 45.0 N/mm ² | Min. 45.0 N/mm ² |
| Breaking Strength Thickness >7.5 mm (12 mm) | Min 1300.0 N | ISO 10545-4 | Min 2500.0 N | Min 2500.0 N | Min 2500.0 N |
| Breaking Strength Thickness >7.5 mm (20 mm) | Min 1300.0 N | ISO 10545-4 | Min 7500.0 N | Min 7500.0 N | Min 7500.0 N |
| Surface Mechanical Properties | | | | | |
| MOH'S Hardness | As per Manufacturer | BS EN 15771 | Min 6 | Min 4 | Min 4 |
| Surface Abrasion Resistance | As per Manufacturer | ISO 10545-7 | PEI III | - | PEI II |
| Deep Abrasion | ≥175 mm | ISO 10545-6 | ≥132 mm | ≥132 mm | - |
| Thermal Hygrometric Properties | | | | | |
| Moisture Expansion | Max 0.06% (0,6 mm/m) | ISO 10545-10 | Max 0,02 mm/m | Max 0,02 mm/m | Max 0,02 mm/m |
| Thermal Expansion(COE) at 100°C | As per Manufacturer | ISO 10545-8 | Max. 6.0 x 10 ⁻⁶ | Max. 6.0 x 10 ⁻⁶ | Max. 6.0 x 10 ⁻⁶ |
| Thermal Shock Resistance | Min 10 Cycle | ISO 10545-9 | Min 10 Cycle | Min 10 Cycle | Min 10 Cycle |
| Impact Resistance(COR) # | Min. 0,55 | ISO 10545-5 | Min 0,55 | Min 0,55 | Min 0,55 |
| Frost Resistance | As per Manufacturer | ISO 10545-12 | Frost Proof | Frost Proof | Frost Proof |
| Crazing Resistance at 7.5 bar | 4 Cycle | ISO 10545-11 | - | - | 4 Cycle |
| Chemical Properties | | | | | |
| Resistance to Staining | Min. Class 3 | ISO 10545-14 | Min. Class 4 | Min. Class 4 | Min. Class 4 |
| Resistance to Household Chemicals & Swimming Pool | Min Class GB | ISO 10545-13 | Min Class UB | Min Class UB | Min Class GB |
| Resistance to Low Concentrate Acid and Alkalis | As per Manufacturer | ISO-10545-13 | Min Class ULB*** | Min Class ULB*** | Min Class GLB*** |
| Resistance to High Concentrate Acid and Alkalis | As per Manufacturer | ISO-10545-13 | Min Class UHB*** | Min Class UHB*** | Min Class GHB*** |
| Safety Properties Skid Resistance - (DCOF-WET PENDULUM) | As per Manufacturer | BS 7976-2 | PI | - | - |
| Slip Resistance - (DCOF- R Value) | As per Manufacturer | DIN 51130 | R9 | - | - |
| Lead and Cadmium release (Lead Concentration) | As per Manufacturer | ISO-10545-15 | <0,01 mg/dm ² | Does not yield | <0,01 mg/dm ² |
| Lead and Cadmium release (Cadmium Concentration) | As per Manufacturer | ISO-10545-15 | <0,001 mg/dm ² | Does not yield | <0,001 mg/dm ² |

* Whichever is less is applicable for Rectified Size N>=15 CM

*** Except Hydrofluoric Acid & it's compound

Note: Length and width, orthogonality and straightness are not applicable for the NOT-rectified material.

PACKING DETAILS

| PRODUCT | SIZE | ACTULE SIZE | THICKNESS | TILES / BOX | COVERAGE AREA / BOX |
|---------|-------------|---------------|-----------|-------------|---------------------|
| NEOTRA | 145 x 320cm | 1450 x 3200mm | 20mm | 1 | 4.64 Sqm |
| | 160 x 320cm | 1600 x 3200mm | 12mm | 1 | 5.12 Sqm |

TRANSPORTING A NEOTRA STONE

When removing the Neotra stones from the A-frame (Fig-A), it is necessary to do it from alternate sides for greater safety. Removing one stone from one side and the next one from the other side keeps the load symmetrical and more stable.

To move single Neotra stone and position it on a rack or a machine that will process it to the finished stone, it is possible to use suction pad lifting equipment with several grab points supported by an overhead travelling crane (Fig-B) or a jib crane, depending on the weight of the individual stone.

The single Neotra stone can be moved with cloth straps (Fig-C) or slings coated in rubber with overhead crane or with forklift truck (Fig-D). Never use chains or steel cable because these materials can damage the surface and edges. In fact, chains and steel would scratch the surfaces of stone and could leave steel residue on natural materials which would then require careful cleaning.

If handling with grippers, insert rubber grip covers to protect Neotra stone.

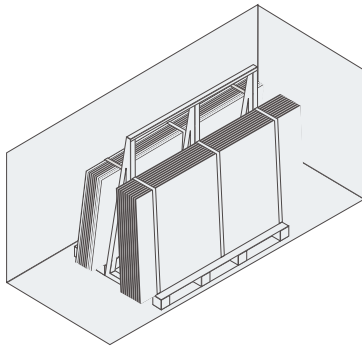


Fig-A

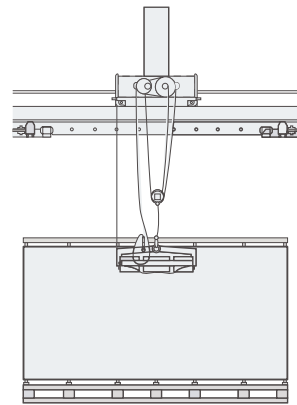


Fig-B

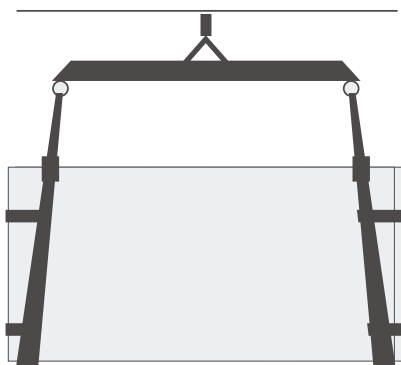


Fig-C

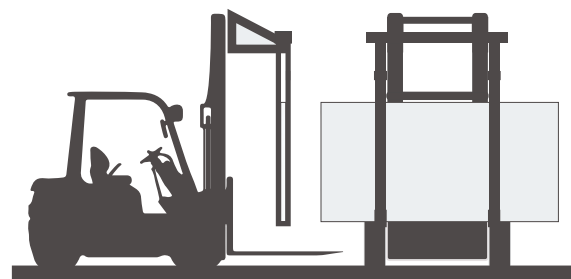
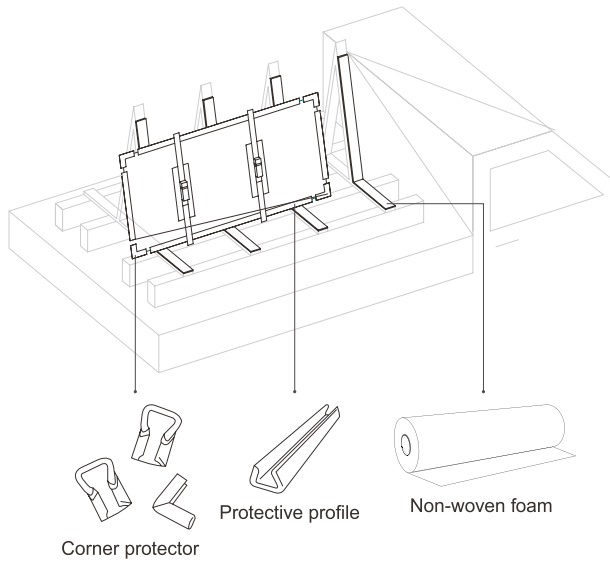


Fig-D

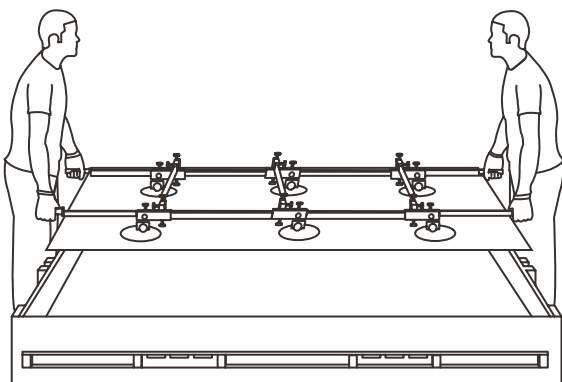
TRANSPORT BY LORRY

Place the material, with all edges and corners protected, vertically on trestles, securing them with canvas slings and protecting the ratchets. Special care must be taken with pieces with holes made in the workshop.



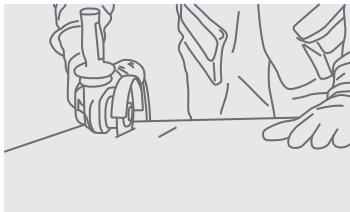
MOVEMENT WITH MANUAL SUCTION CUPS-

For handling 12 mm slabs efficiently and securely, it is recommended to use specialized suction cup runners and frames. Two types of suction cups are available: traditional and pump-equipped. The pump-equipped suction cups are preferable as they offer a stronger grip and the ability to re-establish the vacuum using the built-in pump, even after some time. Always ensure a strong vacuum seal between the lifting device and the 12 mm stone's surface for safe handling and installation.



WORKING WITH THE VARIOUS VERSIONS OF NEOTRA STONE

CUTTING WITH DIAMOND DISCS



- All products of Neotra can be cut using diamond discs fitted onto the hand-held electrical grinding machine. In this case, the STONE will have a cleaner and better defined edge than by cutting and breaking the STONE.

Before starting, check the following:

- The cutting table should be solid and robust.
- It must be perfectly flat and level (the quality is improved using a Rubber surface, to buffer the blade vibrations).
- Check that the surface that the NEOTRA STONE is placed on is in good condition (the piece is perfectly supported and there are no surface irregularities that affects the adhesion of the NEOTRA STONE).
- Only use standardized blades to cut NEOTRA STONE. Generally, these tools work at slow speeds and are highly cooled.
- The blade must be in good condition (the tool should be within its product life cycle and there should be no surface damage).
- The cooling process for this type of work is very important. The coolant flow must point directly at the cutting point and not indirectly. Use the maximum flow allowed by the machinery.
- If it is a special machine where the cutting process can be carried out immersed in water, this process should always be used to optimize the cooling process, to improve the surface quality and extend the life of the tool.

THE RECOMMENDED CUTTING SPEEDS OF BLADES FOR NEOTRA STONE ARE AS FOLLOWS:

§For 12 mm NEOTRA STONES: 1 m/min – 1.5 m/min*

§For 20 mm NEOTRA STONES: 0.5 m/min – 1 m/min*

*Depending on the type of blade to be used and the brand, it is necessary to adjust the specific revolutions and speeds. To do so, use a suitable blade depending on the type of machinery available. If the machine has a frequency converter, any blade out of those recommended can be used, by simply adjusting the revolutions.

REQUIREMENTS OF MACHINE

§Cooling water flow focused on the cutting area

§Use large flange

§Support of larger dimension of the NEOTRA STONE

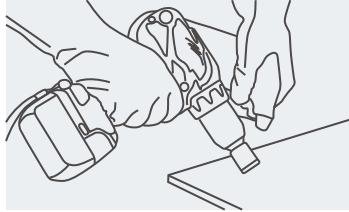
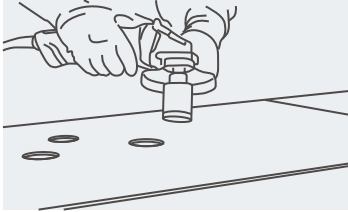
§Sharpen frequently the diamond

§Well-levelled bed support

§Blade depth 1/8 inch to 3/16 inch on the cutting bed

-If the edges of the STONE are sharp or uneven after it has been broken, clean and smooth the edges with a diamond pad or an abrasive discs

DRILLING

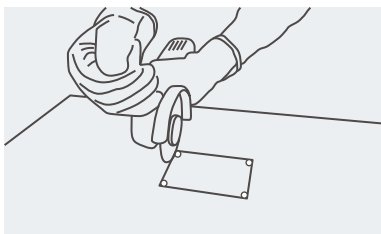


- As an alternative, you can use cutting discs fitted to angle grinders, electrical drills or battery-operated screwdrivers.

Only use standardized blades to machine NEOTRA STONE. In general, the tools operate at very slow speeds and are highly cooled (ideally immersed). For which, it is recommended to place a container on the NEOTRA STONE surface, containing the coolant while drilling.

In the event of problems securing the drill at the start of the work, use holes in a material as a guide, to then attach to NEOTRA STONE with the use of clamps. Another option is to slightly punch the surface of NEOTRA STONE and then use a small milling cutter to drill 5 mm. Then, the recommended drills can be used with a guide. If the drill is used directly on the material, the material must be fed at 45° until a 3 mm notch has been made. Then, the drill is gradually straightened until in a vertical position. Small circular movements should be made now to complete the work. It is vital to sharpen the tool after 4 drills with abrasive paste or similar.

INTERNAL CUT / L-SHAPED CUT

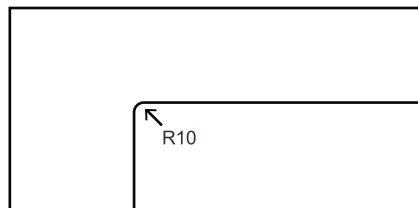


To make rectangular holes in stone, start by making a round hole at each corner of the rectangle. Then make straight cuts between each hole with a discs cutter with a diamond discs. This will prevent excessive stresses being generated at the corners of the rectangle which could then form a crack in the stone itself.

MINIMUM RADIUS AND DISTANCES

It is mandatory that any internal corner must be rounded.

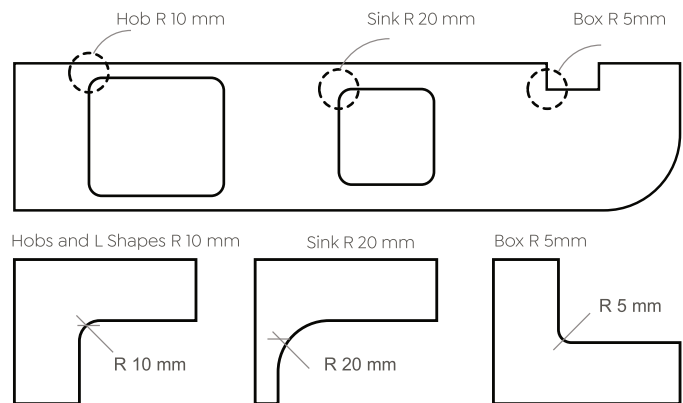
Inside Corners on L-Shapes must have a minimum **10mm** radius



CUTOUTS

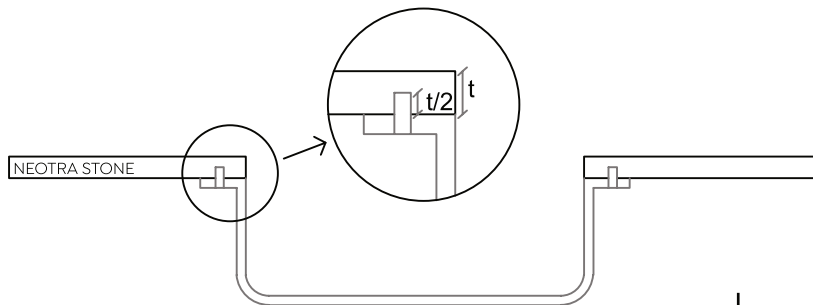
A minimum of 4mm radius is mandatory for inside corners except for L Shapes, where 10mm is required

Below are recommended examples of cut-outs for fittings such as sinks, hobs, columns, etc.

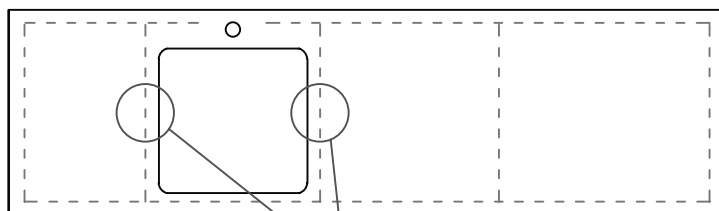


DRILLS AND SLITS

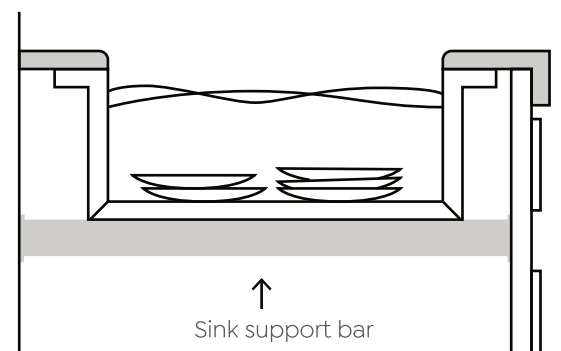
All incisions, slits or drills must pass through the material a maximum of half of the thickness.



Furthermore, for large sinks, we recommend placing support bars under the sink, so that its weight is borne by the bars and not (by) the worktop.



Assure, the countertop support on the cabinet rails surrounding the cut out



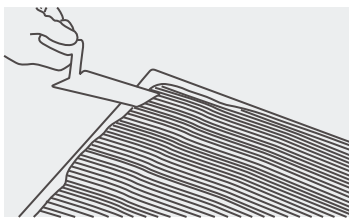
EDGE-FINISHING



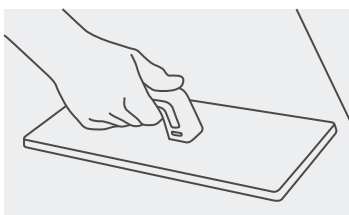
Edges can be finished by using sanding discs fitted onto hand held angle grinder. The same result can be obtained by hand using abrasive diamond sponges or emery paper. With a light passage on the side of the slab, you can obtain a slightly rounded-off edge or with repeated passages a bevelled effect

INSTRUCTION MANUAL FOR INSTALLATION:

DOUBLE-LAYER METHOD

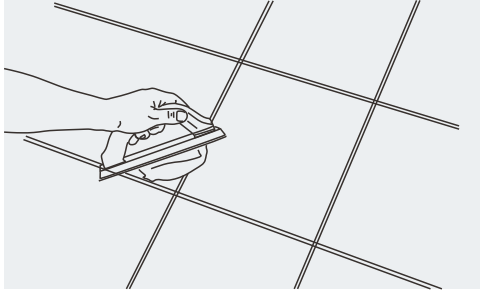


- The adhesive must be chosen according to the type of substrate material, the type and size of the STONE and the area of use. To spread the adhesive on the substrate use a spreader with sloping notches (with a pitch of at least 12 mm) to get better distribution of the adhesive. To spread the adhesive on the back of the STONE, on the other hand, use a spreader with smaller notches (square notches of at least 3-4 mm) so that almost 100% of the surface is wetted with adhesive.
- The adhesive should be applied in a straight line, with no circular movements, parallel to the short side of the STONE to reduce the distance travelled by the air being pushed out.
- The adhesive must be spread in the same direction on the back of the STONE and on the substrate (in straight lines parallel to the short side of the STONE). The same technique is used to install both floor and wall STONE. When installing STONE on facades, the design engineer must assess whether additional mechanical safety fasteners are required.
- Another essential requirement when installing large format STONE is that the adhesive must guarantee a high level of wetting of the back of the STONE so that gaps are not created, otherwise the soundness and durability of the bond could be affected.



To ensure the STONE is completely bonded and that all the air has come out, go over the surface of the STONE with a vibro-plate or tap the surface by hand with a special anti-bounce float made from rubber. We suggest tapping the STONE from the centre working towards the edges in the same direction as the ribs of adhesive, that is, parallel to the short side, to ensure all the air under the STONE is forced out.

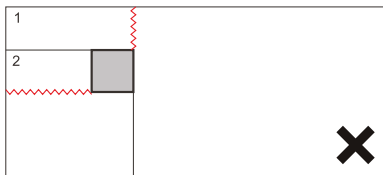
GROUTING LARGE FORMAT STONES



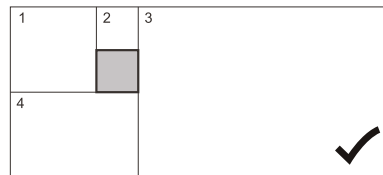
- The grout line between each STONE must be at least 2 mm wide and must be increased according to the size and type of the STONE, the area of use (floor or wall STONE, internal or external) and the stresses expected when in service.
- To maintain the correct gap between each STONE and reduce out-of-flatness between adjacent STONE, it is recommended to use spacers between the STONE (around one spacer every 50 cm).
- It is important to place the spacers in position before installing the STONE and that the spacers are embedded in the adhesive.
- To make this operation easier, a special positioning tool may be used to correct the width of the grout line between adjacent STONE and bring the STONE to the position required.
- The grout lines may be filled with an epoxy grout. Always clean out the grout lines with a cutter, an abrasive scraper, etc. before grouting.
- Clean the grout by using a small amount of water and an abrasive pad (such as Scotch Brite) followed by a firm cellulose sponge, taking care not to remove the grout.
- The cleaning of floor and wall STONE grouted with epoxy mortar must be carried out while the grout is still fresh, with a higher amount of water if necessary, in order to completely remove all epoxy resin residuals.

OTHER CONSIDERATIONS

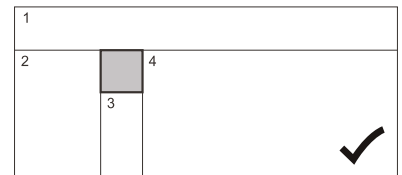
- Joints with columns, mortises or other elements
- L-shaped pieces are not recommended.
- Therefore, in order to deal with joints with elements that “break” the continuity of the flooring, it is recommended to divide it into as many pieces as necessary.
- The aim is to avoid loose and flimsy ‘arms’ on the floor tiles, as this area of the material is very susceptible to breakage.



Joint with a column using L-shaped pieces



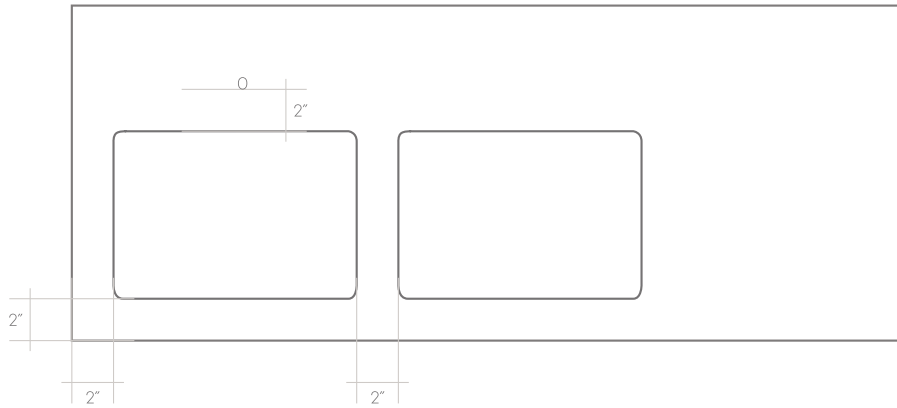
Joint with a column using straight pieces - OPTION A



Joint with a column using straight pieces - OPTION B

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 stone 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 stone firmer.



✓ CORRECT



✗ INCORRECT



✗ INCORRECT

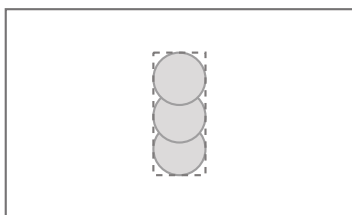


✗ INCORRECT

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.

SOCKETS AND SWITCHES:

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



✓ CORRECT

CARE AND PRECAUTIONS

Routine maintenance - For daily cleaning, a damp microfiber cloth is enough. For regular cleaning, we suggest using a neutral liquid detergent with a soft sponge or a microfiber cloth. It is advisable to clean the kitchen frequently instead of doing it more thoroughly at longer intervals. In spite of the endurance of the surfaces, dirt tends to build up over time. In order to void the use of abrasive cleaning products, clean it regularly at short intervals.

Persistent stains - Persistent stains can be removed with a slightly abrasive sponge; if necessary, use a specially formulated stain remover. Do not use steel wool pads, because these would leave metal traces that would then have to clean again.

To eliminate dust, grease stains, fingerprints and cooking fumes, dissolve some mild soap in a container of warm water. Wipe the cabinets with a damp cloth and then dry all surfaces, specially the corners, with a soft clean dry cloth.

PRECAUTIONS

- Remove any spills of staining liquids (like coffee, tea, red wine), caustic substances (such as oven cleaner), acids and colorants as soon as possible and rinse with water.
- NEOTRA STONE surfaces are particularly resistant to thermal shocks. You can place hot pans directly on the surface, however we recommend the use of trivets to protect the surface over time.
- Ceramic knives can damage the surface, therefore, we recommend to use cutting boards.
- Avoid hitting the most delicate parts of the surface, such as its corners and edges.
- Cleaning products that give off corrosive vapours may alter the finish of metal fittings and accessories inside a sink base unit or a cleaning product unit
- If you have any doubts about the effect a cleaning product might have on a surface, we recommend trying it in a less visible place to check for any changes in colour or other alterations.

Caution

Observe The Detergent Manufacturers Precautions And Recommended Dilutions, Do Not Use Products Containing Hydrofluoric Acid Or Its Derivatives

CLEANING & MAINTENANCE

Our products are non porous (due to their high quality raw materials, stringent production parameters and state of the art technology), hence any dust or deposited waste cannot penetrate the surface.

For most cases only a damp cloth is sufficient for cleaning.

Regular cleaning highlights the aesthetic features of the surface and gives it exceptional shine.

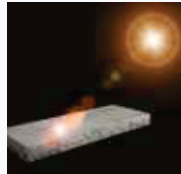
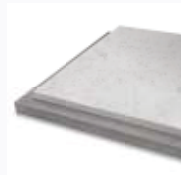
For highly aggressive cleaning caused by some common food and substances follow the table below.

| TYPES OF STAIN | CLEANING SOLUTIONS |
|-------------------|---|
| Grease | Detergent, Red Harpic, Blue Harpic, Vim-bar. |
| Oil | Backing Soda, Vim-bar, Detergent, Ala+blue Harpic. |
| Ink | Alcohol, Liquid Bleach, Nail Paint Remover, Thinner, Detergent, Cleanza Tc. |
| Rust | Mild Hydrochloric Acid, vinegar, Liquid Bleach, Nail Paint Remover, Thinner, Detergent, Cleanza Tc. |
| Lime | Descaling Reagent, Mild Hydrochloric Acid, liquid Bleach, Detergent, Cleanza Tc, Ala+blue Harpic. |
| Cement | Mild Hydrochloric Acid, Cleanza Tc, Ala+blue Harpic. |
| Wine | Liquid Bleach, Detergent, Ala+blue Harpic, Cleanza Tc. |
| Coffee | Liquid Bleach, Detergent, Ala+blue Harpic, Cleanza Tc. |
| Rubber | Alcohol, Thinner, Liquid Bleach, Detergent, Ala+blue Harpic. |
| Plaster | Mild Hydrochloric Acid, Detergent, Ala+blue Harpic, Cleanza Tc |
| Candle Wax | Alcohol, Thinner, Detergent, Ala+blue Harpic, Cleanza Tc. |
| Iodine | Liquid Bleach, Detergent, Ala+blue Harpic, Cleanza Tc, Mild Hydrochloric Acid. |
| Blood | Liquid Bleach, Detergent, Ala+blue Harpic, Cleanza Tc, Mild Hydrochloric Acid. |
| Ice Cream | Liquid Bleach, Detergent, Vim-bar, Ala+blue Harpic. |

NEOTRA STONE



- 1) Neotra Stone is a material that features several great benefits. It comes in an array of timeless designs, including desirable white veined (Statuario) and dark marble looks, so you can find what fits your style, it looks like natural stone slabs.
- 2) The biggest difference between quartz countertops and porcelain countertops is in terms of their heat resistance. Porcelain is highly resistant to heat and is totally unimpacted, as it is fired at 1200 degrees centigrade.
- 3) The color of Neotra Stone remains unchanged even in outdoor kitchen and not effected by UV It will never fade even if used outdoor.
- 4) Stain resistance from Tea, coffee, Juices turmeric and various household chemicals. It can be cleaned even if the stains are dry.
- 5) Porcelain is stronger than Granite & Quartz's slab, while many people think granite is a durable countertop material, it's not. Porcelain is 30% stronger than granite. The firing process of porcelain helps make your countertop material very permanent, so you won't need to worry about chips, scratches, cracks, and essential wear and tear.



QUARTZ'S STONE

- 1) Quartz comes in various colors, but it does not resemble to natural stones, apparently it looks like man-made designs, and cannot match with natural stones.
- 2) The countertops cannot take much heat beyond a point Their surface cracks when high heat utensils (above 150 to 200 degrees centigrade) are placed on them.
- 3) Quartz slabs lose its color and shine if exposed to direct sun light, due to ultraviolet rays.
- 4) Quartz slabs are highly vulnerable to Tea, Coffee, wine, turmeric stains if not cleaned immediately then chances of stains are very high.
- 5) Quartz slabs are not as stronger as Porcelain.

NEOTRA STONE



QUARTZ'S STONE

6) If you do use chemicals like bleach when you clean your countertop, you won't have to worry Harsher chemicals for cleaning won't do any damage to your porcelain countertop. Compared to natural stone, that will save you a lot of time with maintenance



6) Since quartz slabs are resin based and cannot tolerate harsher chemical, the cleaning chemical should have PH value of minimum "6" and above (lesser the PH value harsher the chemical properties)

7) While buying Neotra you get value for money, it is economical over quartz.



7) Normally Quartz's slabs are abnormally expensive.

8) Neotra Stone has no effect of weather, for any number of years, will remain intact with cement or construction chemical.



8) Quartz's slabs are highly prone to weather conditions, due to extreme summer or winter the process of expansion and contraction will effect the Quartz's slab as a result it may bent, or leave the ground surface.

9) Neotra Stone can be used for any kind of flooring or surfaces.



9) Quartz's cannot be used for flooring due to all above reasons.



SIMPOLO VITRIFIED PRIVATE LIMITED

Old Ghuntu Road, MORBI - 363 642. Gujarat, INDIA
Tele.: +91 2822 241622,

MUMBAI

A-203, Morya Landmark II, off Link Road, Andheri (West), Mumbai - 400 053.
E-mail: mumbai@neotrastones.com

www.neotrastones.com | Toll Free No.: 1800-233-2223
Mo.: +91 72289 22222