



The
Architectural
Surfaces.

FLAIS

G R A N I T O

Discover

An Impactful

Accent

1200x
1800mm

GHR + PUNCH
Surface

DIAMAND GRIT
collection

▼
9mm



Company Strength

Invoking comprehensive design and infinite spaces, our collections reflect continuous innovation amalgamated with versatility and strength.

Who We Are

Flais is one of leading manufacturer of ceramic tiles. Our products stand out in the market because of their high-tech properties, innovative design and unbeatable quality.

Flais was brought to life with the aim of breaking new grounds in the ceramic industry. Coming up with innovative, breath-taking, and contemporary collection for the most demanding spaces has been our end goal.

65k Sq. mtrs
Building area

92k Sq. mtrs
Land area

5k Sq. mtrs
Office area

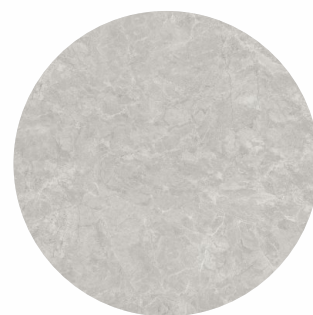
4M Sq. mtrs Production
Capacity/year



JASPER BEIGE



JASPER DOVE



JASPER GREY



MIDAS BEIGE



MIDAS GREY

DIAMAND GRIT collection

Embellish your abode with the richness and exquisiteness of the Diamond Grit Collection in GHR surface, curated to elevate spaces with sophisticated grandeur and aesthetic opulence. Available in five nuanced tones, the GHR surface is all set to increase the visual appeal of your spaces.

- *Navashi Rautela*



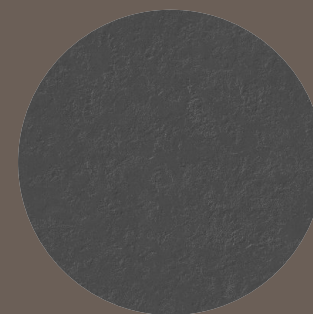
FOUNDRY BEIGE



FOUNDRY TAN



FOUNDRY SILVER



FOUNDRY NERO



BELITA GREY



MOUNTAIN GRAFITE

Shades of Sophistication

The collection also offers six shades in GHR+ Punch effect surfaces, with each design curated to blend harmoniously with any interior. Every tone exudes rustic aesthetics and timeless appeal, modernizing your space with its tactile charm. Personalize your abode with these soft, earthy hues that transform the overall mood and ambiance, adding enhanced durability.

DIAMAND GRIT
collection

Size

That Fits Your

Lifestyle

Discover the extravagance of these 1200x1800mm GHR Surface, offering both durability and design excellence. Let this grand size seamlessly integrate into your space, elevating your environment while providing lasting strength.



Tile Laying Possibilities



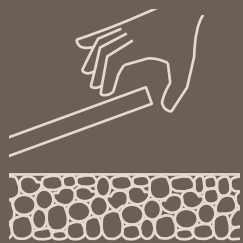
Laying on screed with Adhesives

Lay the 15mm outdoor tiles on a bed of screed with adhesives for heavy traffic areas like parking, courtyards, and others like swimming pool borders, outdoor flooring, sit-out areas, and more.



Laying on a Raised Floor

Tile uneven areas, terrains, and more and transform them by laying 15mm outdoor tiles on raised floor pedestals, frames, and more. Create room for a heating system, insulation, additional raised area, and more with the extensive laying possibilities of this collection.



Laying on Gravel

The robust and resilient collection is ideal for laying directly on gravel in your outdoors with or without adhesive. Create a stepping stone path, patio, and more by just laying the thick tiles on the gravel in your outdoors.



Dry Laying on the Grass

Shape elegant pathways, outdoor leisure areas, and more by dry laying the 15mm outdoor tiles on the grass in your gardens and other areas surrounding the building. The laying possibility opens door to fuss-free outdoor tiling.

The Thickness That Enhances Your Luxurious Setting

9mm

Application Possibilities

Whether for personal or commercial purposes, the collection offers maximum practicality for any design project. With a wide range of application possibilities, these tiles provide excellent strength, even in high-traffic areas.



Residential Areas



Airports



Restaurants



Hotels



Schools



Hospitals



Railway Stations



Offices

Amassed with Features

Uplift your living standards with this collection, offering multiple benefits such as resistance to fire, slip, heat, water, and more, making your space safer and more durable while adding enchanting beauty and timeless appeal.



Easy to Maintain



Fire Resistant



Water Resistant



Slip Resistant



Chemical Resistant



Thermal Resistant



Heat Resistant



Cleaning Product Resistant

JASPER BEIGE

R-3



▼
9mm

1200x
1800mm

GHR
Surface





DIAMAND GRIT
collection

JASPER DOVE

R-3



1200x
1800mm

GHR
Surface

SCAN FOR
VIRTUAL
360°





DIAMAND GRIT
collection

JASPER GREY

R-3



▼
9mm

1200x
1800mm

GHR
Surface

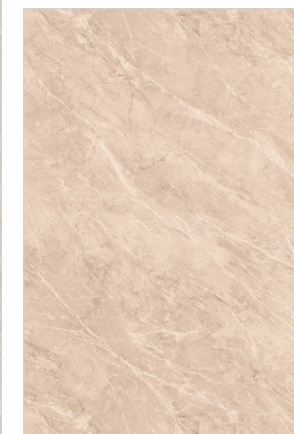
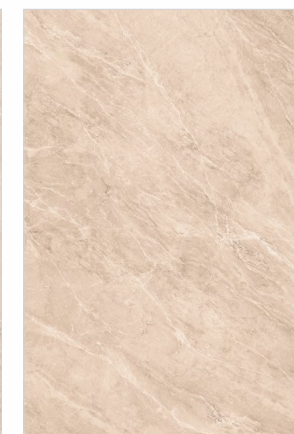




DIAMAND GRIT
collection

MIDAS BEIGE

R-3



1200x
1800mm

GHR
Surface

SCAN FOR
VIRTUAL
360°





DIAMAND GRIT collection

MIDAS GREY

R-3



▼
9mm

1200x
1800mm

GHR
Surface





The Magnetic GHR + Punch

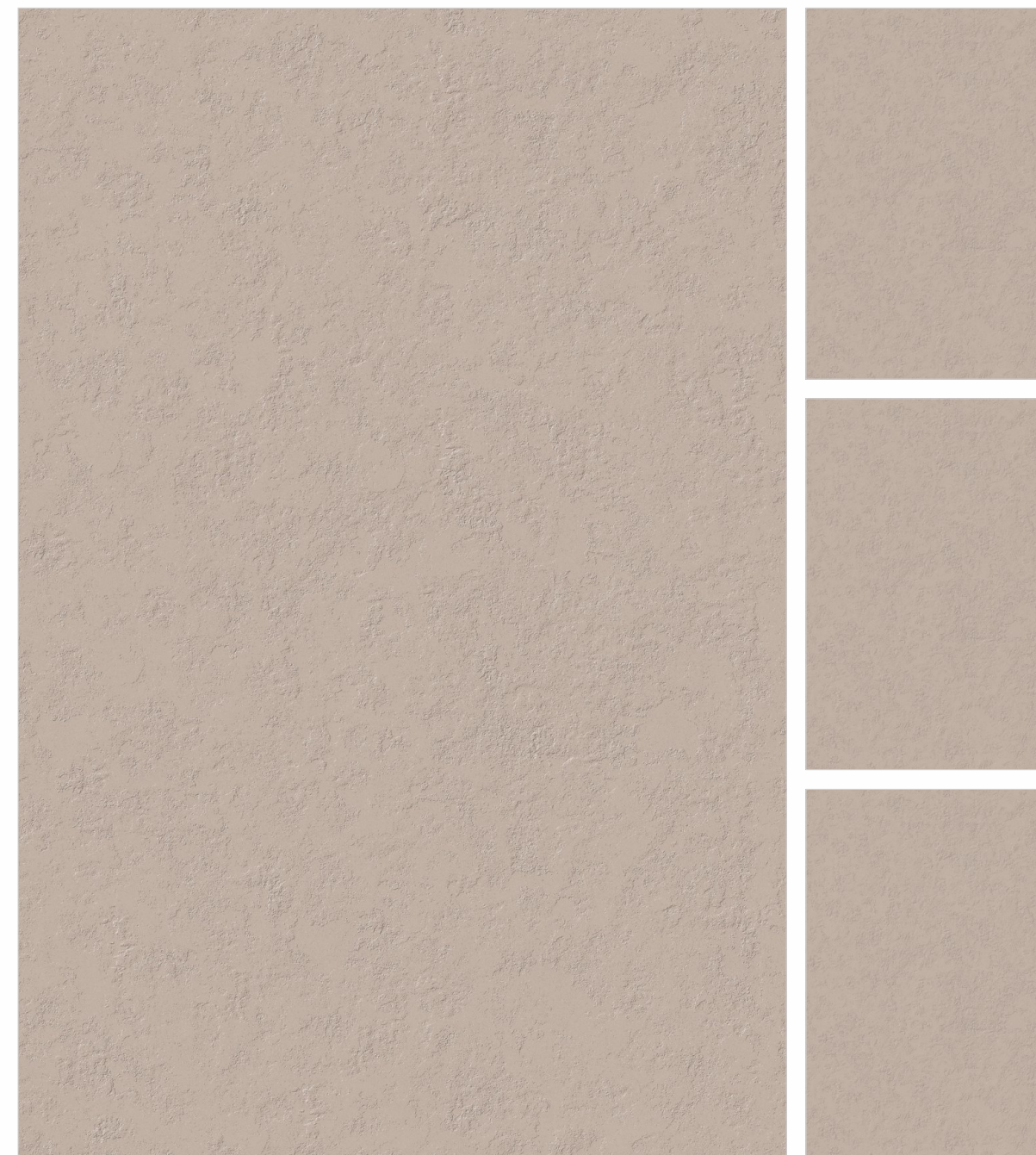
The GHR+ Punch finish represents a cutting-edge design with tactile and visual appeal. The punch effect enhances practical benefits while adding aesthetic value. Easy to maintain, these tiles are a long-lasting, practical choice, enhancing your environment with refined simplicity while ensuring safety and durability without compromising style.





DIAMAND GRIT
collection

FOUNDRY BEIGE



1200x
1800mm

GHR + PUNCH
Surface

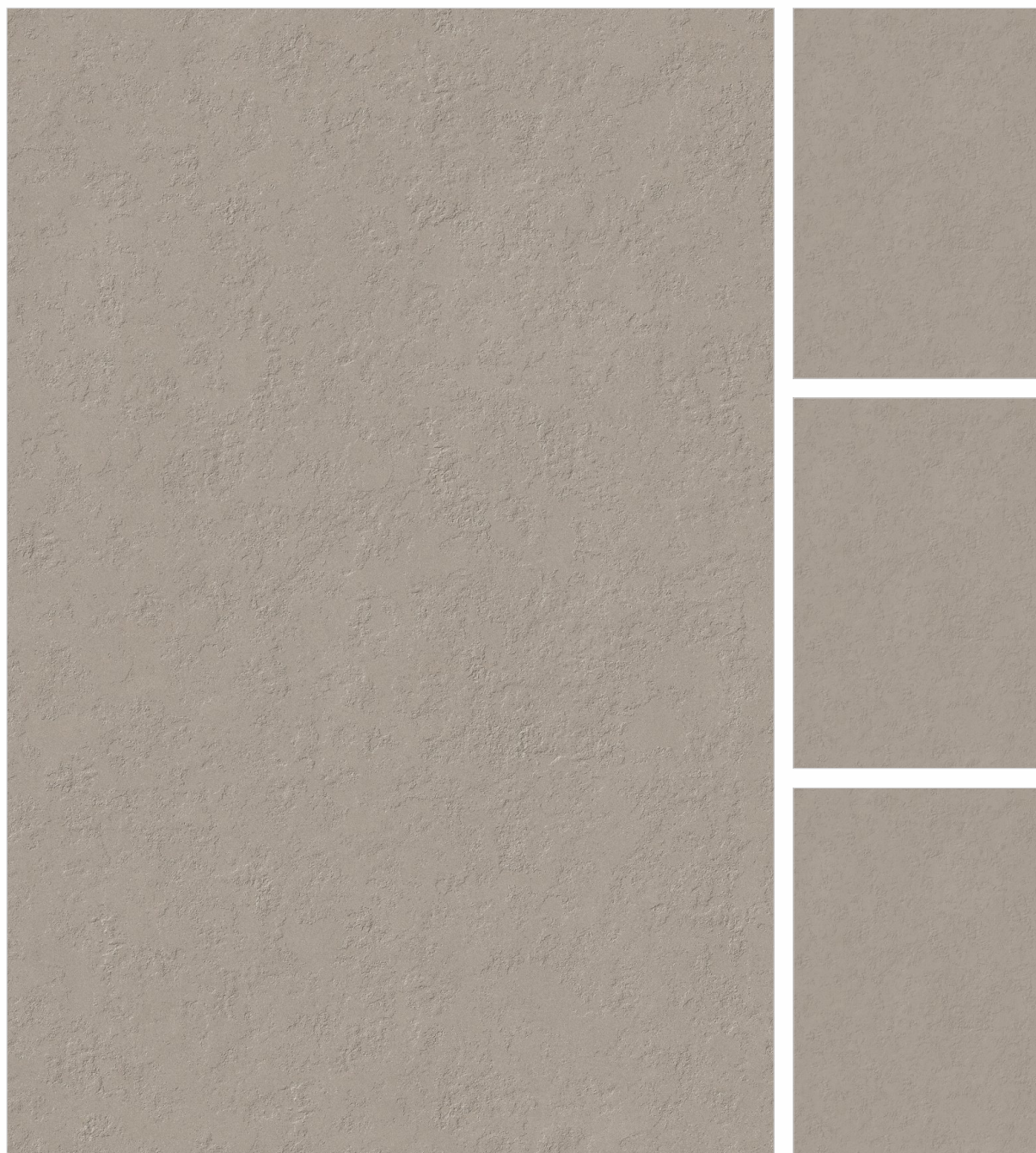
SCAN FOR
VIRTUAL
360°





DIAMAND GRIT collection

FOUNDRY TAN



1200x
1800mm

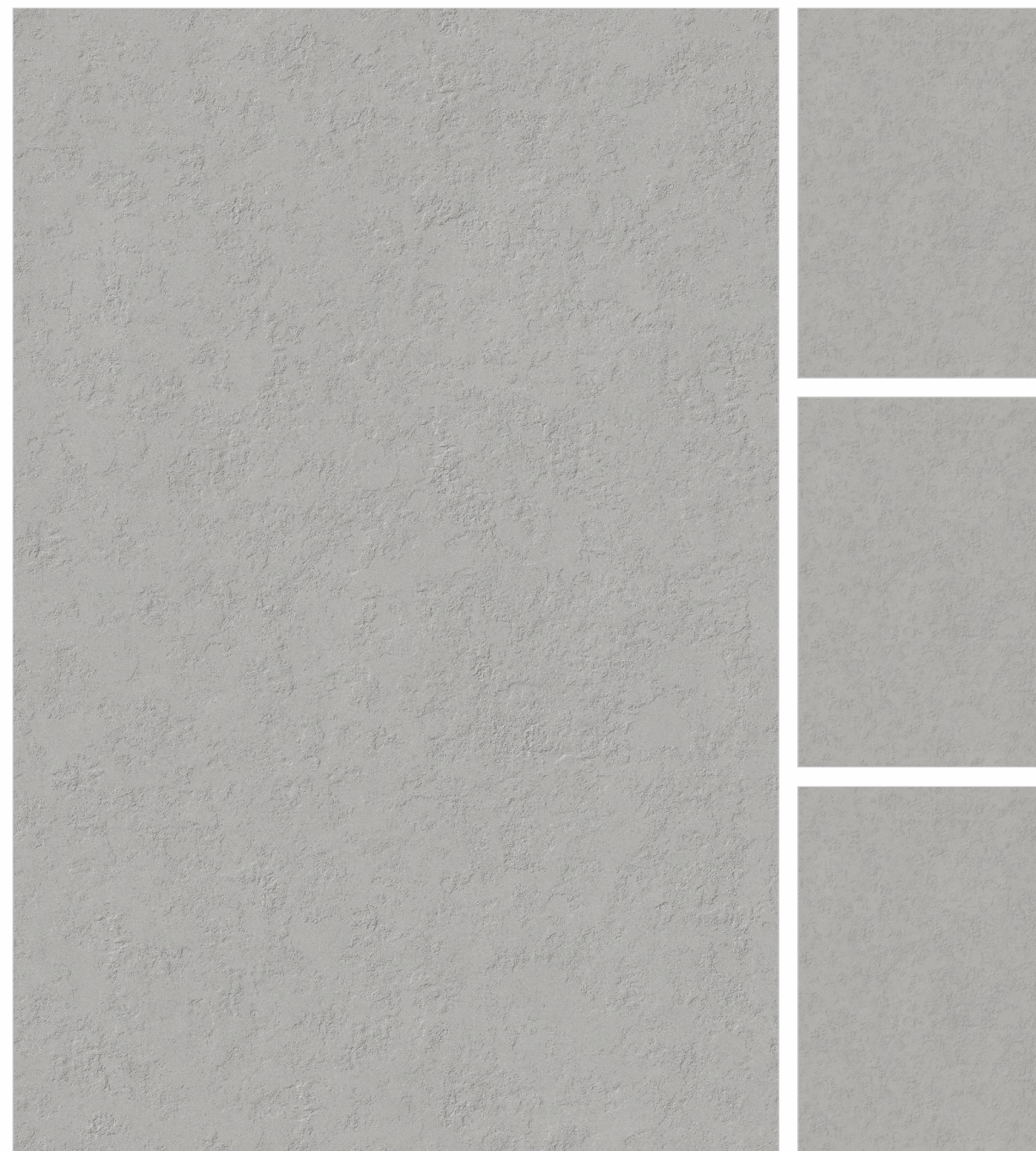
GHR + PUNCH
Surface





DIAMAND GRIT
collection

FOUNDRY SILVER



1200x
1800mm

GHR + PUNCH
Surface

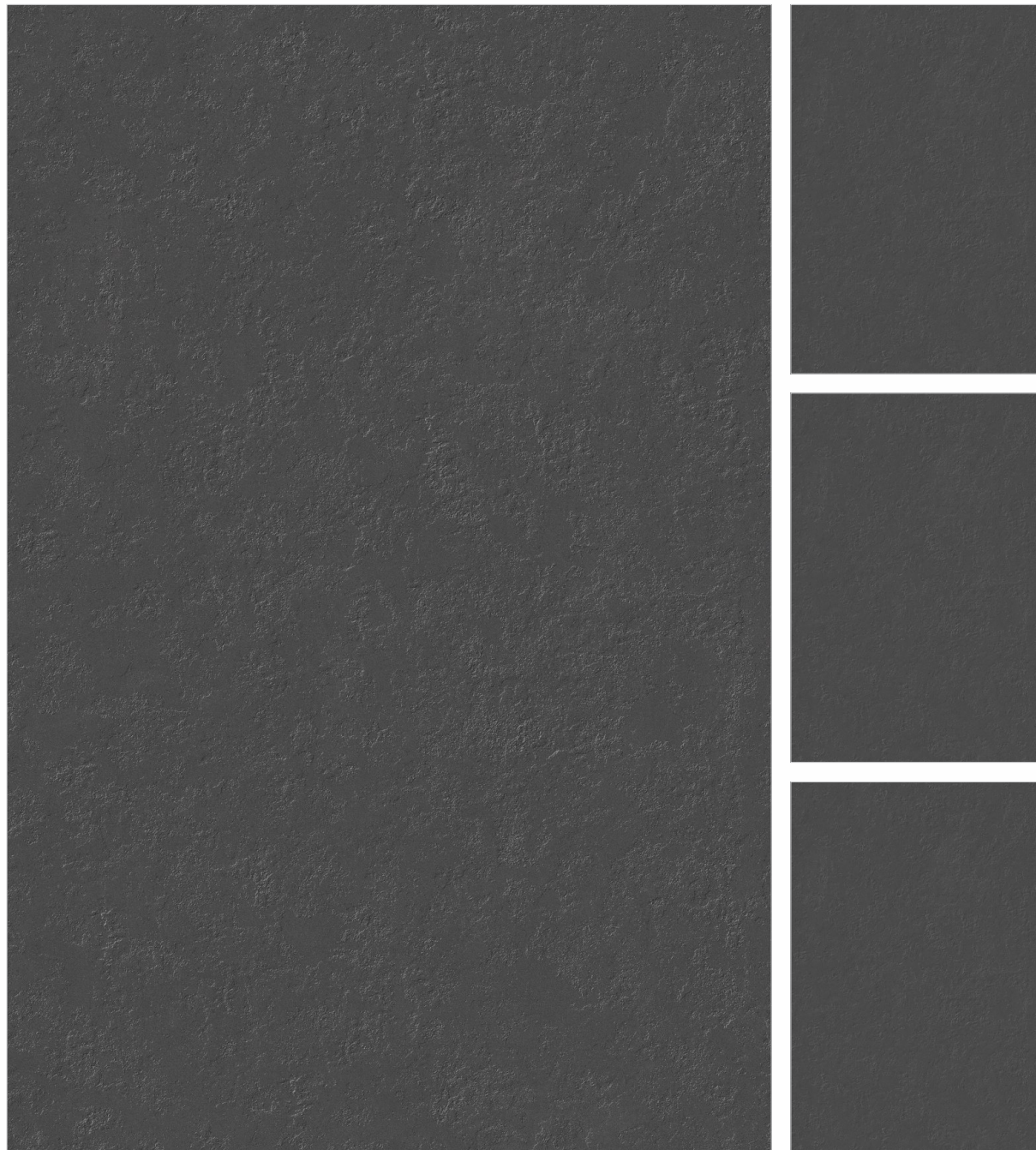
SCAN FOR
VIRTUAL
360°





DIAMAND GRIT
collection

FOUNDRY NERO



▼
9mm 1200x 1800mm GHR + PUNCH Surface





DIAMAND GRIT
collection

BELITA GREY

R-3



1200x
1800mm

GHR + PUNCH
Surface

SCAN FOR
VIRTUAL
360°



MOUNTAIN GRAFITE

R-3



▼
9mm

1200x
1800mm

GHR + PUNCH
Surface

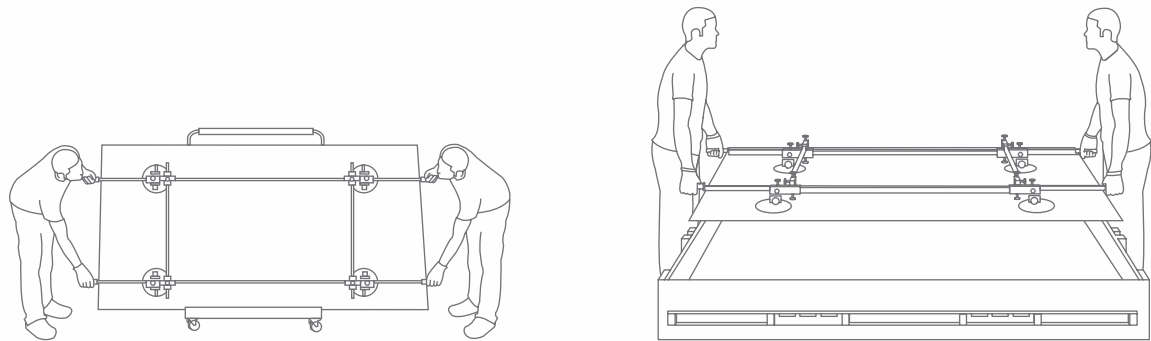
SCAN FOR
VIRTUAL
360°



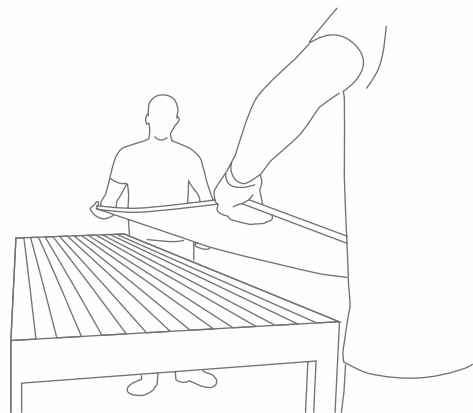
MANUALLY TRANSPORTING SLAB

Only for 1/4" Slabs

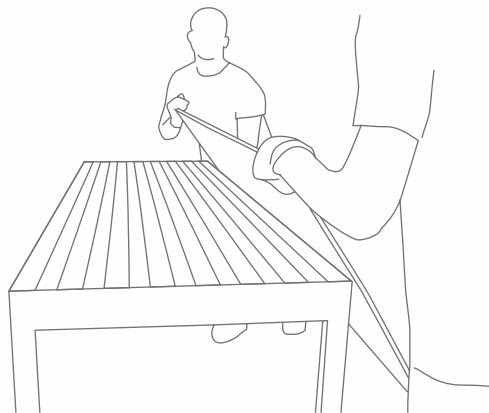
Moving A Slab



Raising A Immoderate Slab Onto A Bench

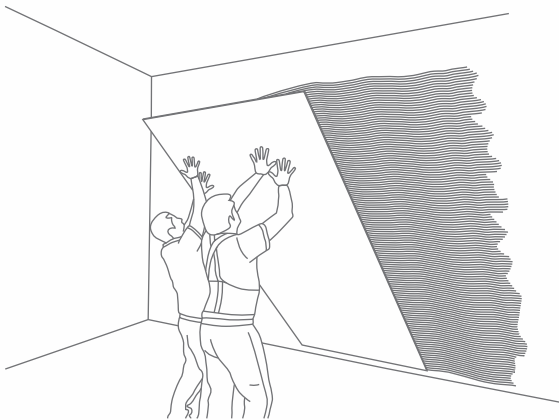


✗ INCORRECT

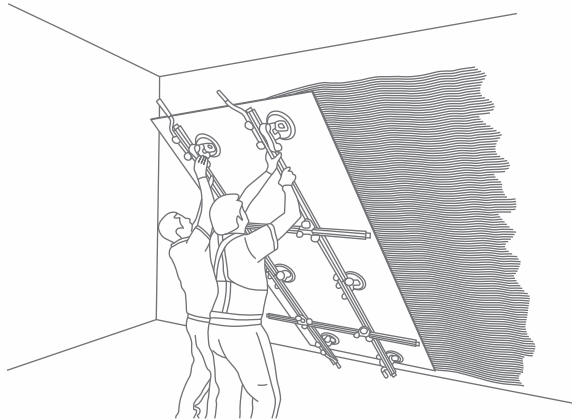


✓ CORRECT

Handling Immoderate Slab For Wall



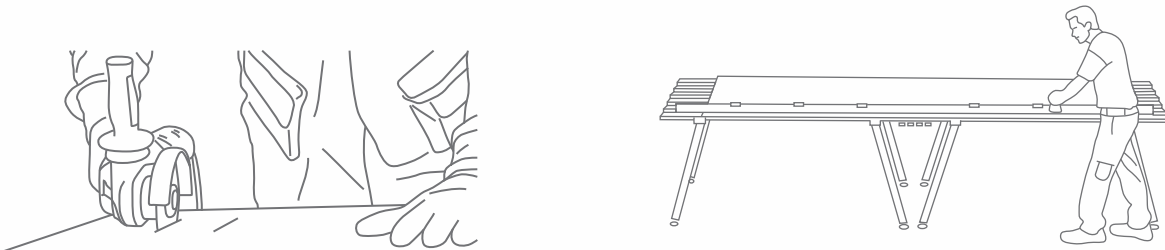
✗ INCORRECT



✓ CORRECT

WORKING WITH THE VARIOUS VERSIONS OF SLAB

Cutting With Diamond Discs



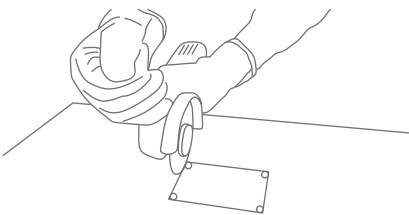
Our products can be cut using diamond discs fitted onto the hand-held electrical grinding machine. The speed of Disc rotation must be high (>10000 RPM) and should have a low feed rate (< 1 m/min). It may be required to cool the disc with water. Recommended discs are the thin types generally used for cutting porcelain stoneware. The surface should be kept on a FLAT base while cutting without any gap underneath.

Drilling



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

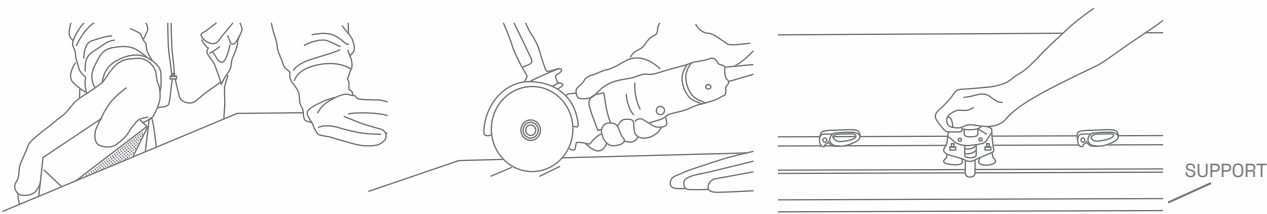
Internal Cut/I-shaped Cut



To get internal and L-shaped corners & to reduce the risk of breakage, cut 'o' at the vertex of the internal corners using bits with a radius of at least 5mm. Then cut with diamond discs, be cautious to stop moving the cutting tool forward. To drill and cut using diamond discs, and more follow the instructions provided below:

- When using these tools:
- Cool the point being drilled with water
 - Don't put 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

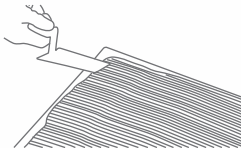


INSTRUCTIONS FOR MANUAL INSTALLATION

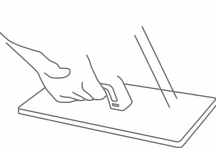
SINGLE LAYER METHOD



DOUBLE-LAYER METHOD



COMPRESSING THE SLAB



Important

All cutout corners must have a minimum diameter of 1/4". Never leave 90° angles. We recommend a radius of more than 1/4" when the kitchen design allows as it makes the countertop firmer.



✓ CORRECT



✗ INCORRECT



✗ INCORRECT



✗ INCORRECT

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.

Type Of Stain	Chemical Product	Example
Grease	Alkaline – Solvent	Detergent
Oil	Solvent	Ammonia, Baking Soda
Ink	Oxidant – Solvent	Alcohol, Liquid Bleach, Nail Paint Remover
Rust	Acid	Hydrochloric Acid, Vinegar, Red Harpic
Lime	Acid	Descaling Agents, Hydrochloric Acid
Cement	Acid	Hydrochloric Acid
Wine	Alkaline	Ammonia, Liquid Bleach
Coffee	Alkaline – Solvent	Ammonia, Liquid Bleach
Rubber	Solvent	Alcohol, Thinner
Plaster	Acid	Hydrochloric Acid
Candle Wax	Solvent	Alcohol, Thinner
Iodine	Oxidant	Liquid Bleach
Blood	Oxidant	Liquid Bleach
Ice Cream	Alkaline	Liquid Bleach

Note: It is recommended that any kind of stain needs to be cleaned immediately, as soon as possible.

TECHNICAL SPECIFICATIONS

CHARACTERISTICS	STANDARD AS PER ISO–13006/2018 En14411 gr.bla	FLAIS VALUE	TEST METHOD
Regulatory Properties			
Deviation in Length & Width	± 0.5%	± 0.2%	ISO 10545–2
Deviation in Thickness	± 5%	± 5%	ISO 10545–2
Straightness of Sides	± 0.5%	± 0.2%	ISO 10545–2
Rectangularity	± 0.5%	± 0.2%	ISO 10545–2
Surface Flatness	± 0.5%	± 0.3%	ISO 10545–2
Colour Difference	E<1.00	E<0.30	ISO 10545–16
Glossiness	As per Mfg.	As Per Mfg.	Gloss Meter
Regulatory Properties			
Water Absorption	≤ 0.5 %	≤ 0.3 %	ISO 10545–3
Apparent Density	As Per Mfg.	>2.20 g/cc	ISO 10545–3
Massive Mechanical Properties			
Modulus of Rupture	Min. 35N/mm2	Min. 40N/mm2	ISO 10545–4
Breaking Strength	Min. 1300 N	Min. 2000 N	ISO 10545–4
Impact Resistance	As per Mfg.	Min. 0.55	ISO 10545–4
Surface Mechanical Properties			
Surface Abrasion Resistance	As per Mfg.	Min. class 3	ISO 10545–7
Mohs Hardness	As per Mfg.	Min. class 4	BS EN 15771
Massive Mechanical Properties			
Frost Resistance	As Per Mfg.	Frost Proof	ISO 10545–12
Thermal Shock Resistance	Min. 10 Cycle	Min. 10 Cycle	ISO 10545–9
Moisture Expansion	Max. 0.6mm/m	Max. 0.02mm/m	ISO 10545–10
Thermal Expansion	Max. 9.0 x 10–6	Max. 6.0x10–6	ISO 10545–8
Chemical Properties			
Chemical Resistance	As Per Mfg.	No Damage	ISO 10545–13
Stain Resistance	Resistant	Resistant	ISO 10545–14
Safety Properties			
Slip Resistance	As per Mfg.	N. A.	DIN 51130
Fire Resistance	As per Mfg.	Fire Proof	N. A.

PACKING DETAILS

Size	No. of Pcs/Box	Square Feet	Weight (Approx)
1200x1800mm	2 Pcs.	46.50 Sq. ft	92 kg.



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