LATTE CERAMICHE

NATURE'S FINEST

# Surface



## Fjord Collection

# Fjord

COLLECTION

Inspired by the timeless beauty of cross natural travertine, FJORD Collection brings together the richness of stone and the sophistication of contemporary design.

With our harmonious colour palette, tactile textures, and timeless appeal, the FJORD Collection transforms natural inspiration into contemporary living, creating interiors that remain relevant and beautiful, for years to come.



# INDEX

**60x120 cm** 24"x 48"

**4** Designs **2** Surfaces

Fjord
COLLECTION



Ivory



Ivory Texture Grit Line



Mud



Mud Texture Grit Line



White



White Texture Grit Line



Grey



Grey Texture Grit Line

LINEAR BEAUTY,
TIMELESS APPEAL

Fire Resistant
Frost Resistant
Non-Slip
Water Proof
Eco-logical
Easy to Maintain
Resistant to Chemicals
Heat Resistant

# Fjord
COLLECTION

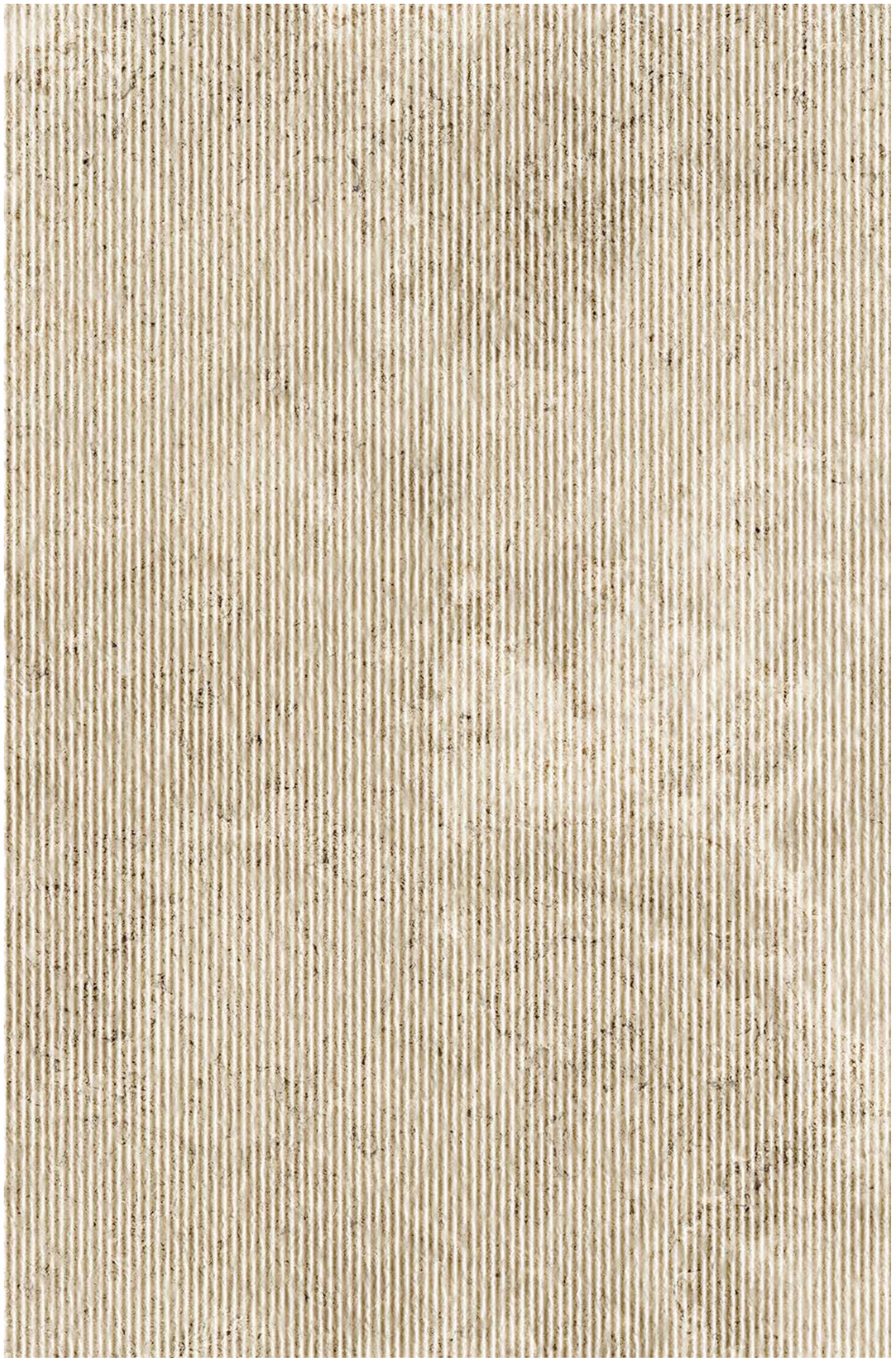
**60x120 cm** 24"x 48"

## Spaces That
## Feel Like Silence



Wall:
**Fjord Ivory**
**Texture Grit Line**
Floor:
**Fjord Ivory**





Texture Grit Line



Fjord Ivory
Fjord Ivory - Texture Grit Line
60x120 cm 24"x 48"

Fire Resistant
Eco-logical
Non-Slip
Resistant to Chemicals
Frost Resistant
Easy to Maintain
Water Proof
Heat Resistant

Fjord
COLLECTION



Wall: **Fjord Ivory Texture Grit Line** 60x120 24"x48"
Floor: **Fjord Ivory** 60x120 24"x48"

# Fjord
COLLECTION

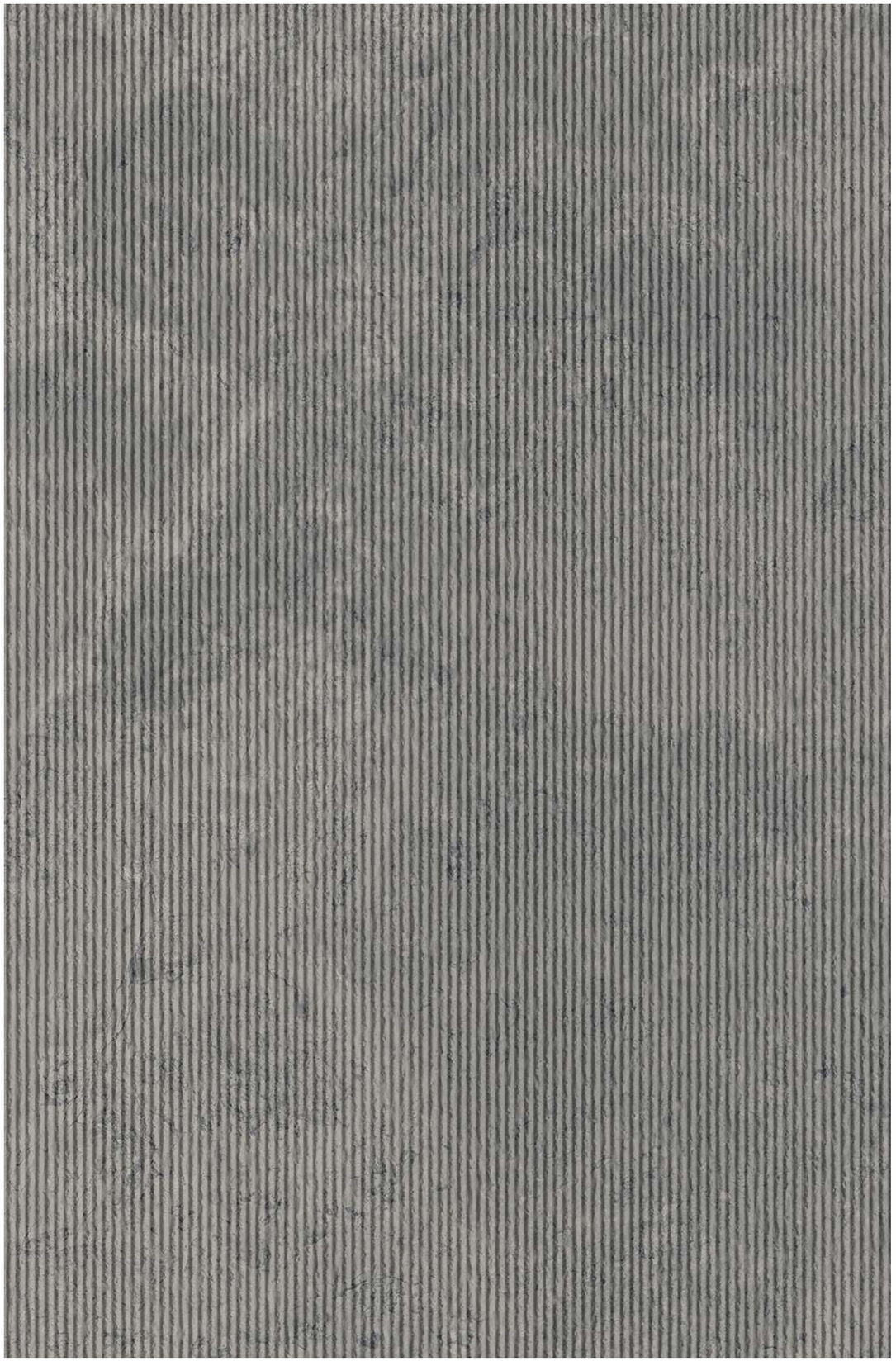
**60x120 cm** 24"x 48"

## Precision in
## Every Stripes

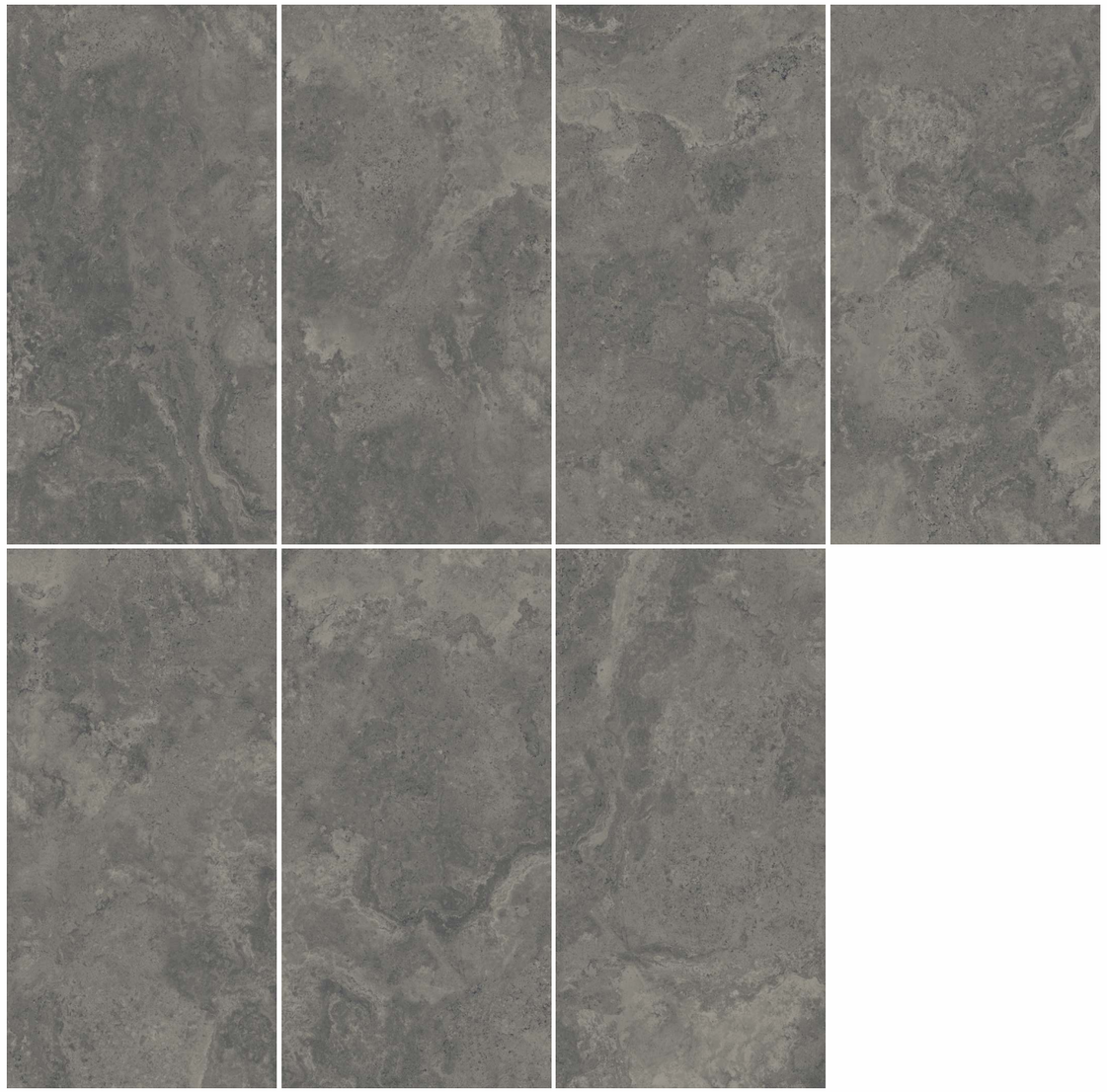


Wall:
**Fjord Mud**
**Texture Grit Line**
Floor:
**Fjord Mud**





Texture Grit Line



Fjord Mud
FjordMud - Texture Grit Line
60x120 cm 24"x 48"

Fire Resistant
Eco-logical
Non-Slip
Resistant to Chemicals
Frost Resistant
Easy to Maintain
Water Proof
Heat Resistant

Fjord
COLLECTION



Wall: **Fjord Mud Texture Grit Line** 60x120 24"x48"
Floor: **Fjord Mud** 60x120 24"x48"

# Fjord
COLLECTION

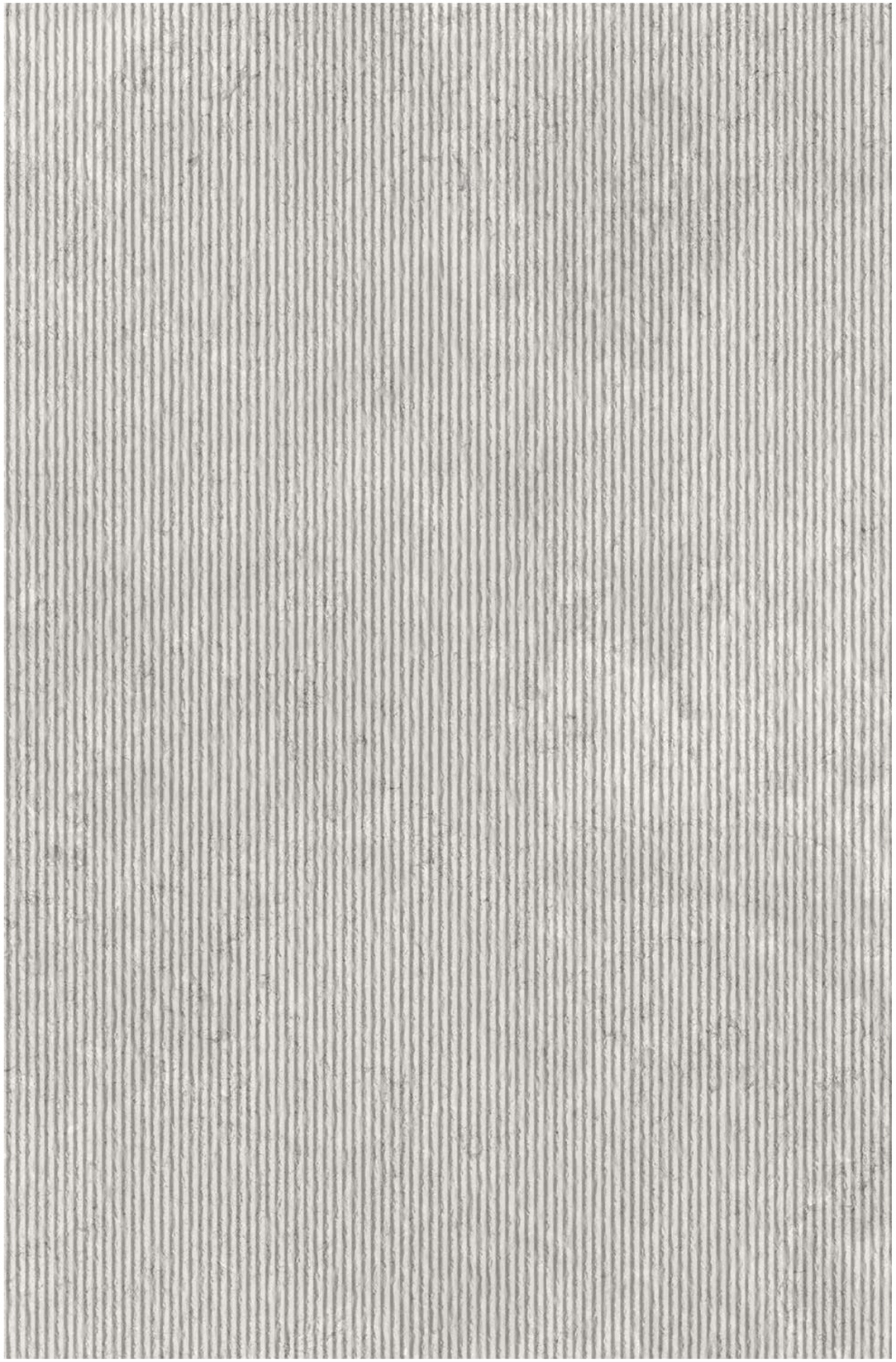
**60x120 cm** 24"x 48"

## Where Lines
## Create Luxury



Wall:
**Fjord White**
**Texture Grit Line**
Floor:
**Fjord White**





Texture Grit Line



Fjord White
Fjord White - Texture Grit Line
60x120 cm 24"x 48"

Fire Resistant
Eco-logical
Non-Slip
Resistant to Chemicals
Frost Resistant
Easy to Maintain
Water Proof
Heat Resistant

Fjord
COLLECTION



Wall: **Fjord White Texture Grit Line** 60x120 24"x48"
Floor: **Fjord White** 60x120 24"x48"

# Fjord
COLLECTION

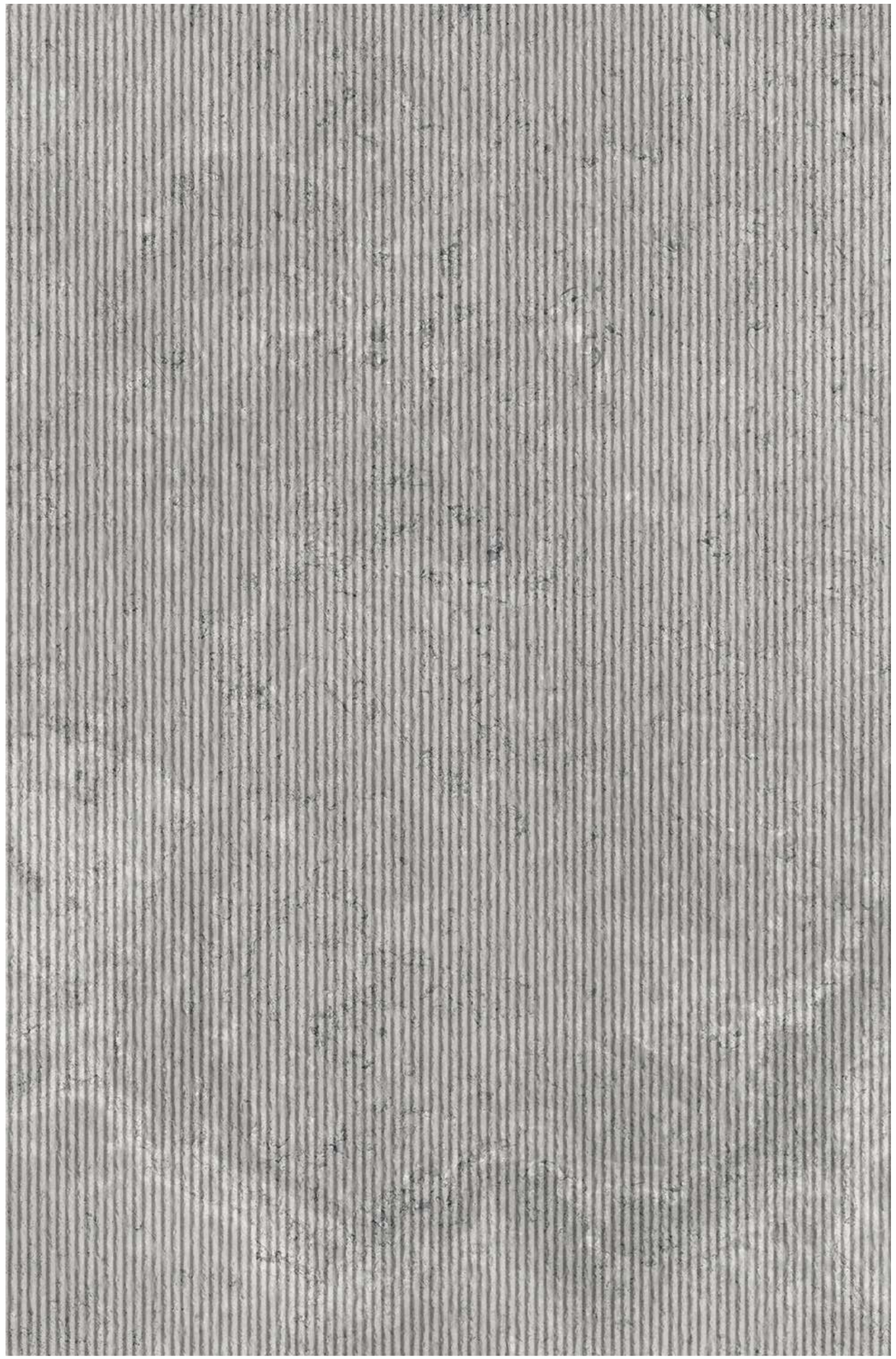
**60x120 cm** 24"x 48"

## Edge Your
## Space with Style

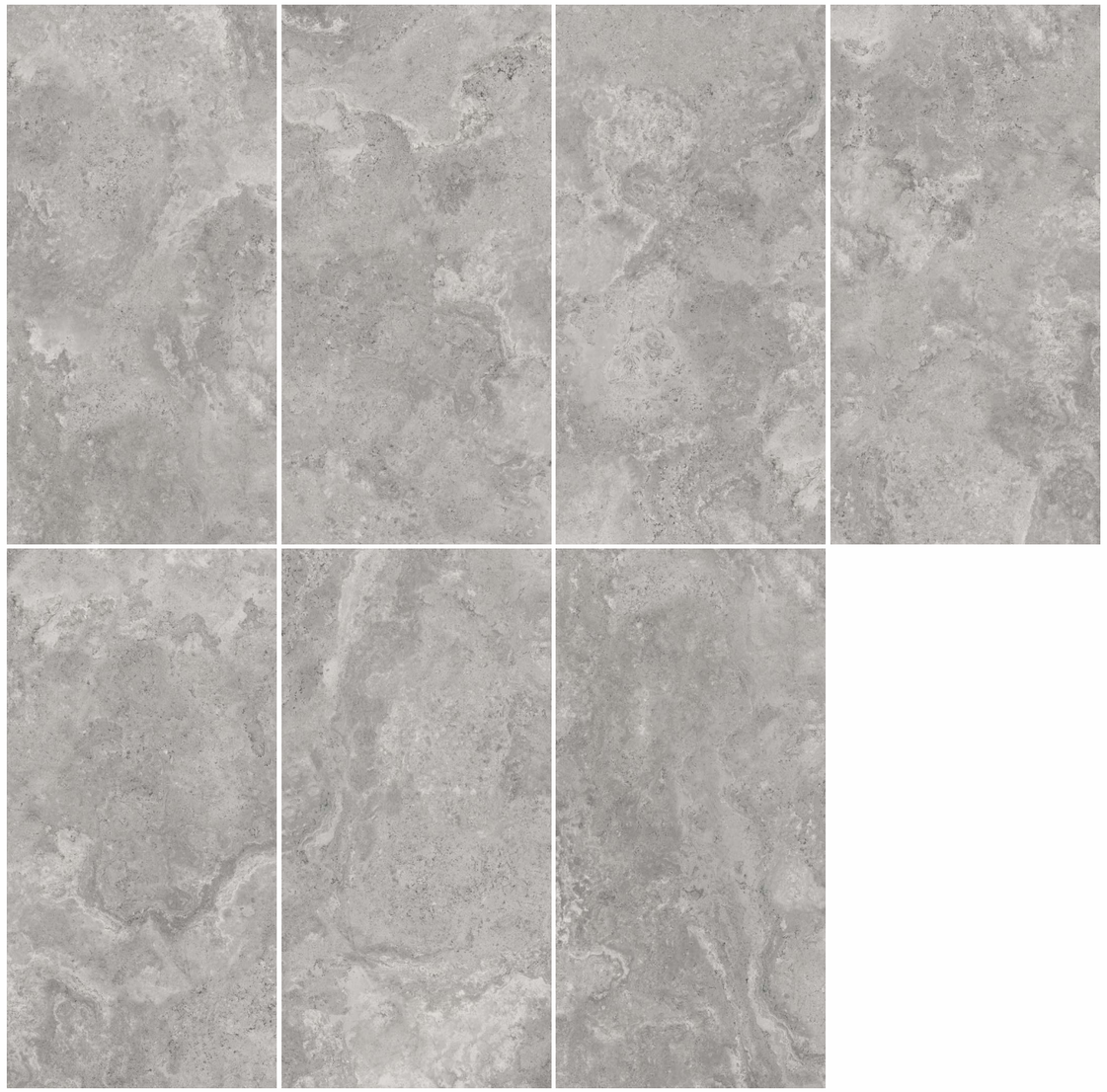



Wall:
**Fjord Grey**
**Texture Grit Line**
Floor:
**Fjord Grey**





Texture Grit Line



Fjord Grey
Fjord Grey - Texture Grit Line
60x120 cm 24"x 48"

Fire Resistant
Eco-logical
Non-Slip
Resistant to Chemicals
Frost Resistant
Easy to Maintain
Water Proof
Heat Resistant

Fjord
COLLECTION




Wall: **Fjord Grey Texture Grit Line** 60x120 24"x48"
Floor: **Fjord Grey** 60x120 24"x48"

# We Care for
## Environment

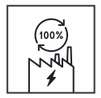
### Energy Management Systems




CHP vapour recovery with 40% savings in methane gas




100% LED lighting. 50% annual power savings




Efficient methane gas cogeneration plant



Heat recovery from furnaces and cooling water

### Resource Conservation




100% recycled industrial water and 27% reduction in water consumption over the last 3 years




100% recyclable packaging materials

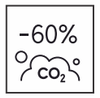



100% recycled raw and cooked waste

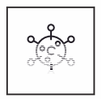



99% waste sent to recovery

### Environment Health




Automated Vertical Warehouse: 60% reduction in $CO_2$



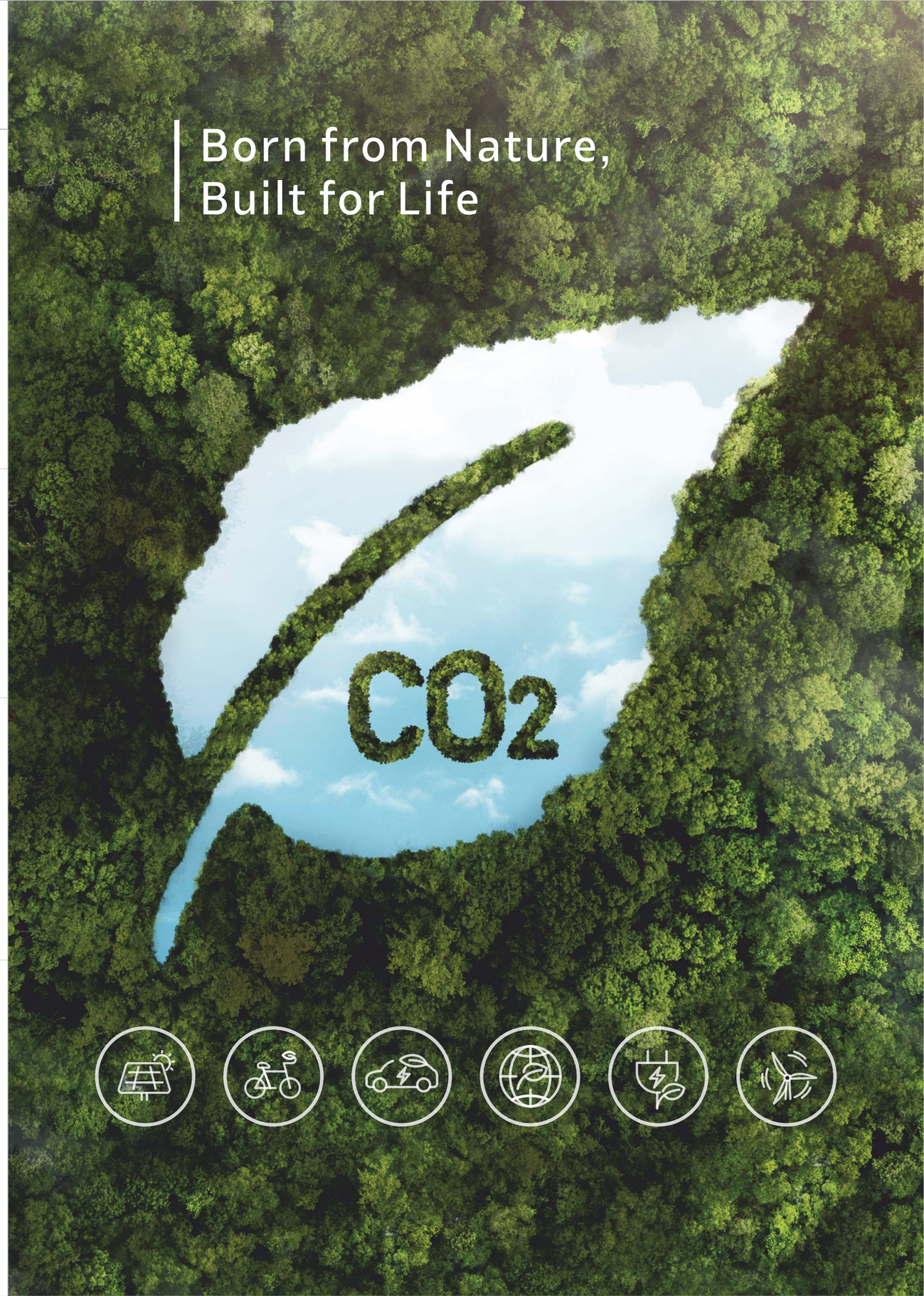
0% lead, cadmium, and other carcinogenic substances in products



Continuously operating purification and filtration systems



RTO system to reduce harmful emissions and odours

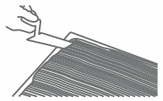


# Instructions for Manual Installation

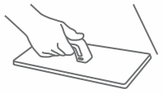
SINGLE LAYER METHOD



DOUBLE-LAYER METHOD



COMPRESSING THE TILE



## Important

All cutout corners must have a minimum diameter of 1/4". Never leave $90^0$ angles.
We recommend radiuses of more than 1/4" when the kitchen the design allows as it makes the counter top firmer.



✓ CORRECT ✗ INCORRECT ✗ INCORRECT ✗ INCORRECT

## Cleaning & Maintance

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 Reagent, Hydrochloric Acid |
| Cement | Acid | Hydro Chloric 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 should be cleaned immediately or as soon as possible.

# Technical Specifications

| Test Description | Standard Test Method | International Standard ISO 13006 | Ceramics Specifications |
|---|---|---|---|
| Length & Width | BS EN ISO 10545-2 | ±0.6% | ±0.1% |
| Thickness | BS EN ISO 10545-2 | ±5.0% | ±5.0% |
| Rectangular Squareness | BS EN ISO 10545-2 | ±0.6% | ±0.2% |
| Straightness of Sides | BS EN ISO 10545-2 | ±0.6% | ±0.2% |
| Surface Flatness | BS EN ISO 10545-2 | ±0.5% | ±0.2% |
| Water Absorption | BS EN ISO 10545-3 | ≤0.5% | Avg ≤0.05% |
| Modulus of Rupture | BS EN ISO 10545-4 | ≥35 $N/mm^2$ | ≥40 $N/mm^2$ |
| Breaking Strength | BS EN ISO 10545-4 | ≥1300 N | Min. 1800 N |
| Resistance to Surface Abrasion | BS EN ISO 10545-7 | Manufacturer to state abrasion class | PEI Class 2–5 (Depends on shade) |
| Linear Thermal Expansion | BS EN ISO 10545-8 | $9\times10^{-6}$ $°C^{-1}$ | $\leq9\times10^{-6}$ |
| Resistance to Thermal Shock | BS EN ISO 10545-9 | No visible defect | No visible defect |
| Crazing Resistance | BS EN ISO 10545-11 | No crazing | No crazing |
| Frost Resistance | BS EN ISO 10545-12 | No visible damage | No visible damage |
| Resistance to Chemicals | BS EN ISO 10545-13 | No visible effect | No visible effect |
| Resistance to Stains | BS EN ISO 10545-14 | Manufacturer to state class | Stain removed min. Class 3 |
| Colour Resistance to UV Light | DIN 51094 | No change in color | No change in color |

VITRIFIED TILES (BIA – GL)
Vitrified tiles are manufactured using pure, selectively imported raw materials mixed using the most advanced extraction and sorting techniques. They are obtained with a production process similar to that of single-fired tiles. The resulting product is top-quality vitrified tile, obtained by raw materials wet grinding, followed by partial drying by spraying, silo storage to allow homogenization of properties, and pressing with highly efficient hydraulic presses up to specific pressures more than 500 $kg/cm^2$. The high-pressure combined with high firing temperature exceeding 1200°C results in highly compact and strong ceramic surface with very low water absorption (lower than 0.4% according to UNI EN ISO 10545-3) and extremely high mechanical resistance (average value exceeding 40 $N/mm^2$ according to UNI EN ISO 10545-4). Thanks to their low porosity, these vitrified tiles are frost-proof and rated as belonging to the BIa GL class according to the International Standard ISO 13006 and European Standard UNI EN 14411 which requires water absorption ≤ 0.5%. The MOR (Modulus of Rupture) in accordance with UNI EN ISO 10545-4 results to 40 $N/mm^2$ while the required value is 35 $N/mm^2$. LATTE Ceramics porcelain tiles are available in a wide range of designs, sizes and finishes.

ADVICE ON LAYING
Although our vitrified tiles can be installed using traditional cement mortars, we advise using modern adhesives. While installing on walls, the double-layer spreading system is recommended to perfectly coat the back of the tile. Quickly dipping each tile in water before installation will remove any dust on the back of the tile for perfect adhesion. Do not wet the tiles if you are using vinyl, acrylic resin adhesives or two-component organic solvent-based adhesive. It is advisable to incorporate shrinkage-flexion joints when installing on large floors. The joints should never be spaced more than 4–5 linear meters apart indoors and 3 linear meters apart outdoors. Be careful while using strong coloured grouts as they might leave stains on the surface of the tiles that may be difficult to remove later.
Note: Shade variation across the batches is inherent to the manufacturing process and the pre-laying colour comparison is recommended.

LATTE
CERAMICHE

INNOVATIVE
SURFACE
CERAMICS
Powered by LATTE