

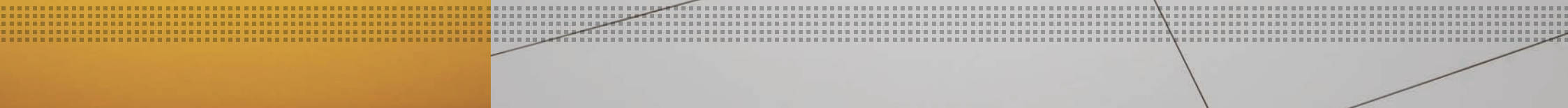
NEOLITH  
Sintered Porcelain

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Exterior

Construction & Cladding

Created to be used... Everywhere.



## NEOLITH, DEFINING NEW TRENDS

Neolith provides cutting-edge material solutions for residential and commercial cladding and paving projects.

## INNOVATION AND QUALITY DEFINE OUR IDENTITY

Developed in 2009 as an innovative response to the challenges facing the modern, professional design community, NEOLITH offers the most forward thinking material solution for designers, architects and engineers alike.

A new and unique way of looking at and understanding the use of shapes, spaces and colours – NEOLITH provides a modern design solution ideal for all types of surface applications.

Evolution and development are intrinsic to the NEOLITH DNA: investment in the best human resources and the most advanced industrial technology available is standard practice.

## HOW WE DO IT IS IMPORTANT TO US

NEOLITH is a product that surpasses every required standard (ISO) in every category with the use of technologically advanced systems and a sensitive corporate “conscience”. The precision, state-of-the-art technology used to manufacture NEOLITH ensures optimum efficiency in terms of raw material and energy consumption and the superior quality and finish of the end product.

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# NEOLITH | Sintered Porcelain

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## NEOLITH, THE START OF A NEW TREND

The NEOLITH sintered porcelain slab is an avant garde material that is redefining the future of architecture.

The NEOLITH slab is the largest, high-tech, porcelain slab available, offering comprehensive surface solutions for exterior cladding of residential and commercial buildings, paving and swimming pools and most exterior surface applications.

The extensive range of colours, combinations and finishes, makes NEOLITH a designer product that will open up numerous, fresh possibilities for exterior cladding applications.

## NEOLITH HAS IT ALL

- Innovative design options
- Generous range of colour options and combinations
- Attractive matte finish
- Resistant to very high temperatures
- Non-porous surface makes graffiti easy to remove
- Hardwearing and durable
- Ideal for high traffic spaces
- Easy to clean and maintain
- Minimal seam joins due to large slab size
- UV resistant colour pigments prevent fading

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## NEOLITH APPLICATIONS: A NEW WAY OF LOOKING AT SHAPES

### RESIDENTIAL AND COMMERCIAL PROJECTS

NEOLITH is the perfect solution for all residential and commercial cladding with exceptional durability and aesthetic appeal.

NEOLITH slabs are available in a 5mm gauge for cladding applications, including paving.

### PAVING AND CLADDING

NEOLITH is perfect for wall cladding, flooring and paving because of its large slab size. It can easily be cut into any panel size to suit the project being worked on. The 5mm gauge makes it light-weight, easy to handle and does not require reinforcement of the sub-surface to carry the extra weight of the cladding. The durability of NEOLITH and the minimal number of seams required because of the large panel size make it an extremely hard-wearing material. It is ideal for high traffic commercial areas and residential homes.

### FACADES










NEOLITH is perfect for ventilated façades and curtain wall applications thanks to its light-weight, resistance to atmospheric agents, resilient pigments, and its large dimensions. The unique slab size facilitates fast-moving, exterior, cladding projects. NEOLITH comes in a wide range of colours for different styles of facades.

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## TECHNICAL FEATURES

-  **NEOLITH IS LIGHT-WEIGHT**  
Available in 5mm, NEOLITH is light-weight and suitable for all forms of cladding no matter the application.
-  **NEOLITH IS WATERPROOF**  
It is waterproof with an absorption level of almost zero making it highly stain resistant and easy to maintain.
-  **NEOLITH IS EASY TO CLEAN**  
Resistant to strong chemical cleaning agents such as bleach and ammonia, NEOLITH is easy to clean and maintain with normal household cleaning materials.
-  **NEOLITH IS HYGIENIC**  
It does not emit any harmful substances and is perfectly safe for food preparation.
-  **NEOLITH IS RESISTANT TO VERY HIGH TEMPERATURES**  
It does not burn when in contact with fire or release smoke or toxic substances when subjected to high temperatures. Neolith is resistant to very high temperatures.
-  **NEOLITH IS RESISTANT TO WEAR AND TEAR**  
Its hard surface makes it resistant to scratches and abrasion and enables it to stand the rigorous traffic of any commercial application.
-  **NEOLITH IS EASY TO INSTALL**  
Due to the large slab size, NEOLITH is easily cut and edge polished to the correct custom size for each application. Fixing and finishing is easy using the correct mechanical or chemical bonding materials.
-  **NEOLITH CAN STAND STRONG SUNLIGHT**  
NEOLITH has high UV damage resistant properties.
-  **NEOLITH IS ENVIRONMENTALLY-FRIENDLY**  
Composed entirely of natural materials, it does not give off any substances that are harmful to the environment and is completely recyclable.





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## ENVIRONMENTALLY-FRIENDLY MATERIAL

### SUSTAINABILITY

NEOLITH complies with every European environmental safety standard. NEOLITH is manufactured in accordance with general sustainability criteria. NEOLITH is committed to maintaining the environment and being a responsible agent within the society it is manufactured in.

### OPTIMUM EFFICIENCY

The precision, state-of-the-art technology used by NEOLITH ensures optimum efficiency in terms of energy consumption and the use of raw materials.

### MINIMAL ENVIRONMENTAL IMPACT

NEOLITH guarantees that the production and lifecycle of its products has the minimum possible impact on the environment, using the cleanest processes and most modern technology to ensure that any waste or emissions generated during the manufacture of the material are kept to an absolute minimum. Waste from the manufacturing process is properly identified, separated and disposed of in an appropriate and responsible manner.

NEOLITH products do not emit any harmful substances as they are made from 100% natural materials. In the event of exposure to fire, they do not give off any smoke or toxic fumes.

### RECYCLABLE

The material is completely recyclable. It can be milled and recycled as a raw material for other production processes such as the manufacture of aggregates.

## THE NATURAL CHOICE

NEOLITH is the natural choice because of its wide application potential for wall cladding, flooring and paving.

NEOLITH is the natural choice because it combines the finest raw materials with the most advanced industrial technology.

NEOLITH is the natural choice because it is 100% eco-friendly, using natural materials and technologies that respect the environment.

NEOLITH is entirely made up of natural materials like clays, feldspar, silica and mineral oxides.

NEOLITH is the natural choice because it obtains its colours from 100% natural pigments that withstand the passage of time and the strength of direct sunlight.

NEOLITH is the natural choice because it promises a lifetime of excellent service, with the peace of mind of a 15 year material warranty.

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## Comparison between NEOLITH versus other worktop surfaces

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	neolith	granite
Resistance to sunlight	excellent	good
Resistance to bending (mpa)	45	14
Resistance to scratching	excellent	good
Resistance to hot objects	excellent	good
Heat expansion coefficient ( $\times 10^6$ )	7	10
Resistance to solvents	excellent	good
Resistance to bleach and chlorine	excellent	good
Resistance to hydrochloric acid	excellent	good
Resistance to ammonia	excellent	good
Resistance to caustic soda	excellent	good
Usual thickness (mm)	5-10	20
kg/m <sup>2</sup>	20	52

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## COLOUR RANGE

NEOLITH is available in a wide range of colours that have their origin in the pigmentation of the raw materials used in the manufacturing process; this guarantees colourfastness over time without any fear of pigment deterioration.

NEOLITH is available in 5mm for use in wall cladding, flooring and paving applications.  
(Some colours available in 10mm for work surface applications.)

\*Colours only available via special order. (Minimum order of 100 slabs. Lead time of 8 weeks.)

# EXTERIOR COLOURS

1. ARANCIO
2. ARCTIC WHITE
3. AVORIO
4. BARRO
5. BASALT BEIGE\*
6. BASALT BLACK
7. BASALT GREY
8. BELGIAN BLUE\*
9. CEMENT

Please note colour  
images may vary slightly  
from actual product.

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9. CEMENT

(Special order)

(Special order)

# EXTERIOR COLOURS

- 10. CHOCOLATE\*
- 11. COBALTO
- 12. HUMO\*
- 13. IRON COPPER\*
- 14. IRON CORTEN
- 15. IRON GREY\*
- 16. IRON MOSS\*
- 17. LAVA\*
- 18. LIMESTONE ARENA

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18. LIMESTONE ARENA

(Special order)

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(Special order)

# EXTERIOR COLOURS

- 19. MELA
- 20. MOKA
- 21. NERO\*
- 22. NIEVE
- 23. PERLA
- 24. PHEDRA
- 25. TEXTILE BLACK
- 26. TEXTILE WHITE\*

19. MELA

20. MOKA

21. NERO

Please note colour images may vary slightly from actual product.

22. NIEVE

23. PERLA

24. PHEDRA

25. TEXTILE BLACK

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(Special order)

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## APPLICATIONS

### STANDARD SLAB DIMENSIONS

The NEOLITH slab (3,650 x 1,250 mm) is the largest available on the market.

\*NEOLITH can be cut down to any size or format, maintaining the same technical and aesthetic properties.

### THICKNESSES AND APPLICATIONS

Options for slab thickness ensures that there is always a perfect solution for every application.

NEOLITH offers 5mm thick slabs for all cladding and paving.

(Some colours available in 10mm for work surface applications.)

The NEOLITH slab 3650 x 1250 mm



## THICKNESSES AND APPLICATIONS

10 mm

counter tops and work surfaces

5 mm

cladding of cupboards, furniture, walls and floors

5 mm



10 mm

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## HIGH-PERFORMANCE PRODUCTION PLANT

A large, automated factory, purpose-built to house the most high-tech, industrial equipment and production processes for NEOLITH, allows a production capacity, level of efficiency, and quality that exceeds the market standards.

NEOLITH is years ahead of its time!

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