

STORK

SEAMLESS BEAUTY. SOLID EFFICIENCY.



TECHNOLOGY MEETS NATURE
PRODUCT INFORMATION

HIGH END SOLUTIONS. **NATURE'S PERFECTION.**

We offer high-end solutions, based on specialized know-how, magnifying the beauty and nobility of stone and cork, while respecting it.

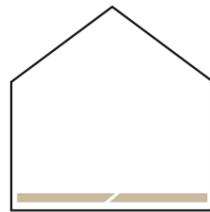
INCREASED RANGE OF APPLICATIONS. **NEW POSSIBILITIES.**



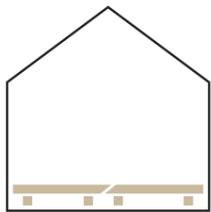
Interior Walls



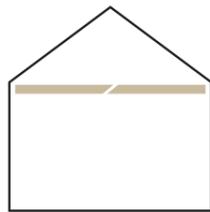
Ventilated Facades



Flooring



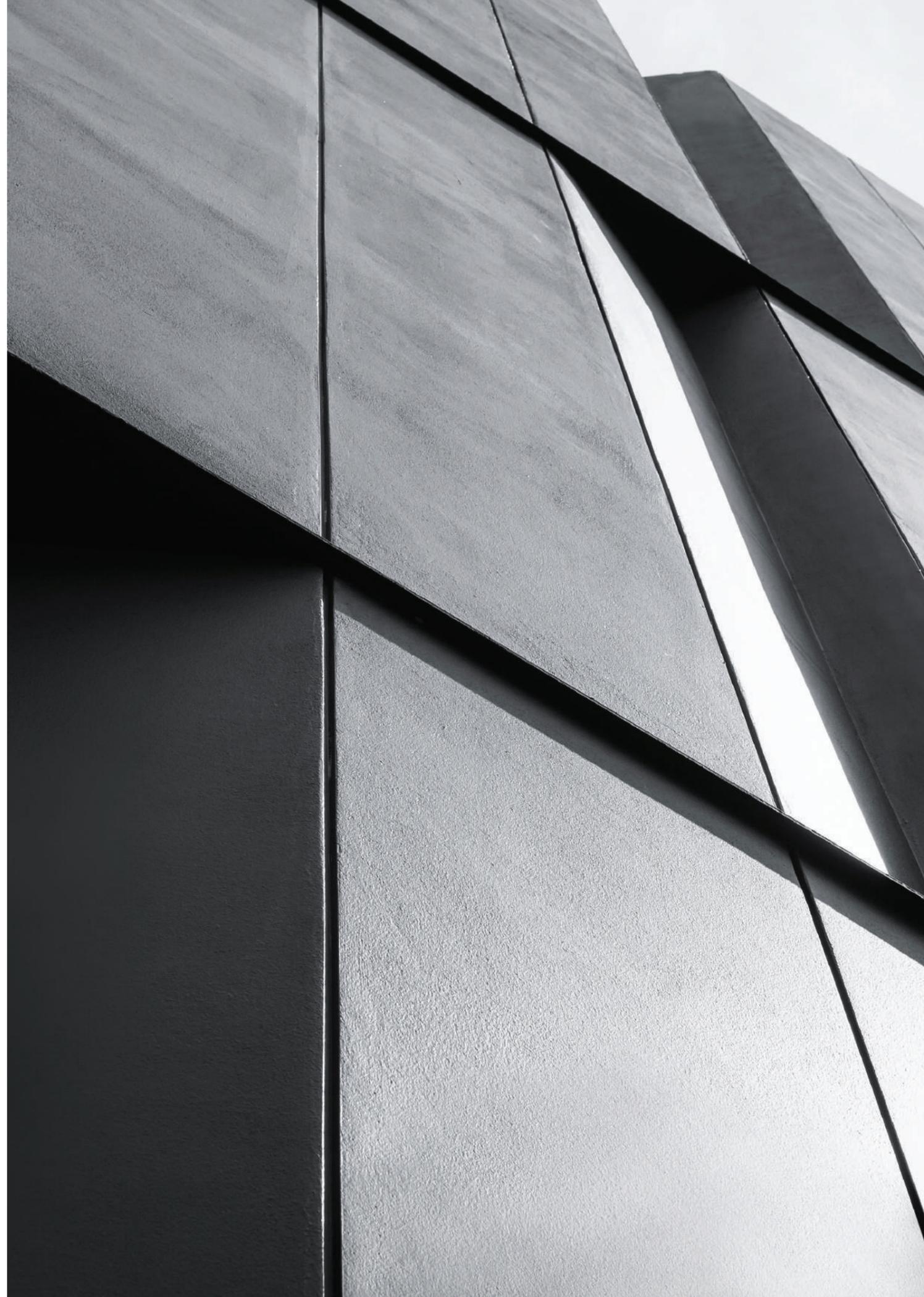
Access Floors



Ceilings



Special Projects



TECHNOLOGY MEETS NATURE.

A new patented lightweight solution.

STORK stands for stone and cork and combines different, but highly appreciated, intrinsic characteristics from both natural materials.

The solution is designed in layers and, depending on the application, it uses the latest composite modelling strategies and production methods to become a nature blend of two highly valuable materials.



Natural Stone



Cork Composite*

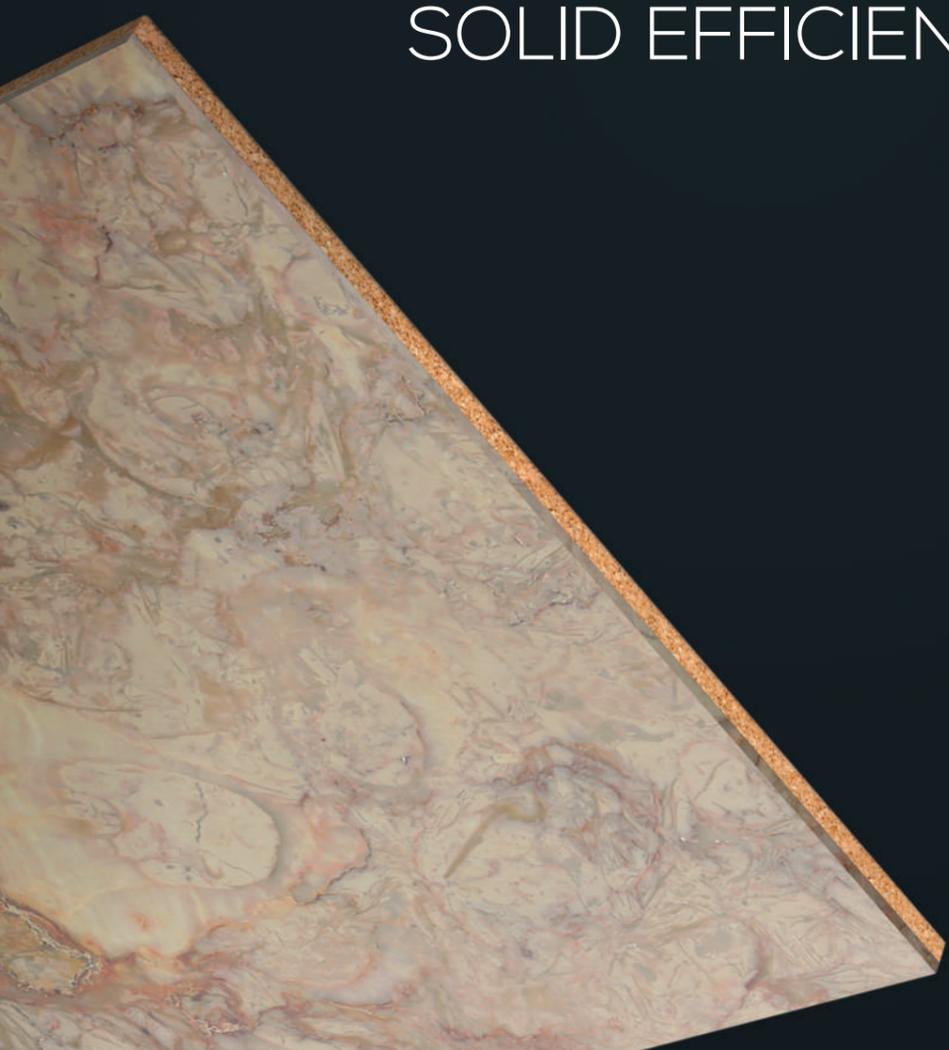
STORK COMPOSITION

Thin natural stone layer embedded in agglomerated cork through a high resistance sandwich-structure composite and showing outstanding adhesive properties.

*Sandwich-Structure Cork Composite



SEAMLESS BEAUTY.
SOLID EFFICIENCY.



BENEFITS BY STORK

Over 50% weight reduction

per square meter which leads to significant cost savings on transport and handling, resulting in lower installation times and easy maintenance and repair.

30% increase in thermal efficiency

when compared to a standard natural stone solution. Thermal insulation compatible with major insulation projects using cork.

10% reduction in noise transmission

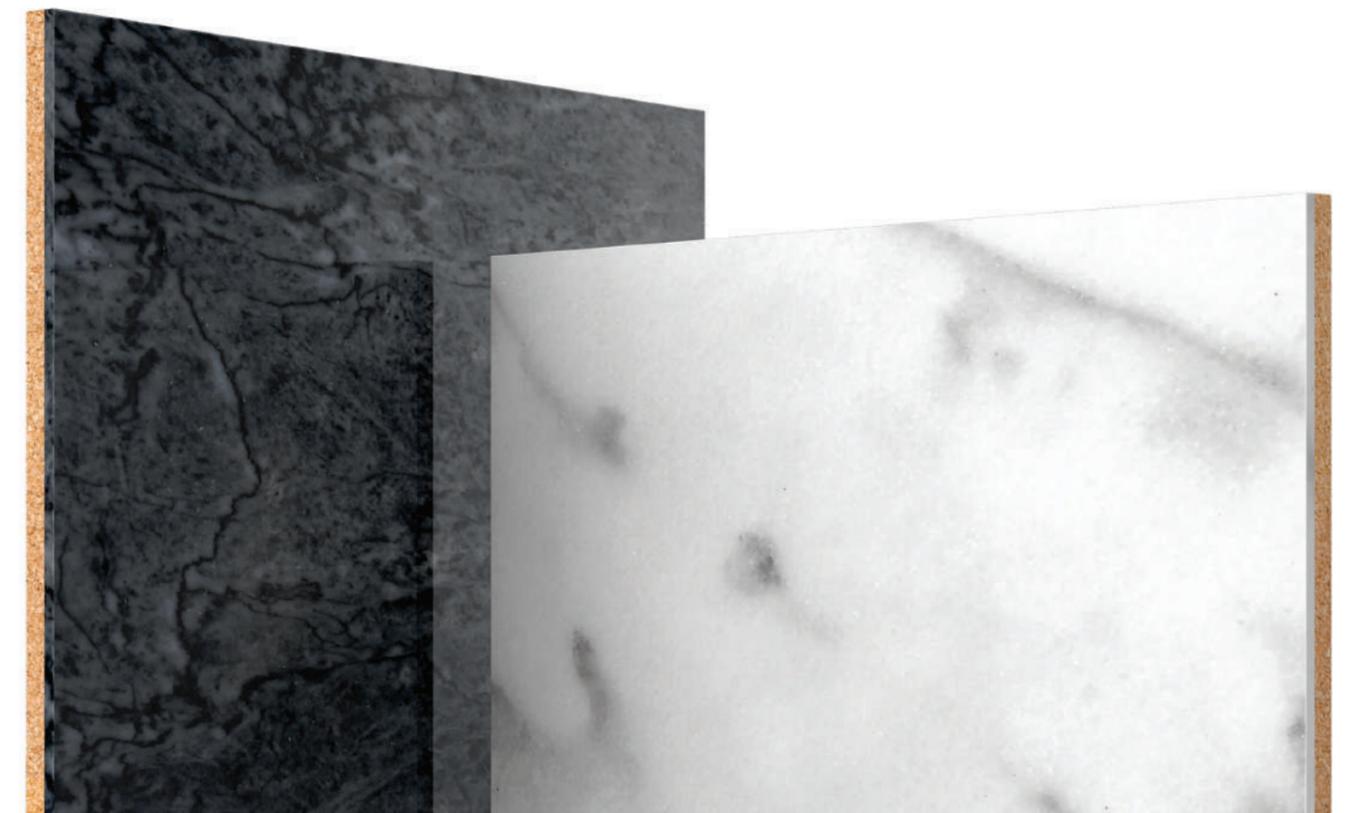
when compared to a standard natural stone with the same total thickness.

100% elastic recovery

with full structural integrity when submitted to local bending loads that originate deformations up to 3x the total thickness.

Up to 40% savings of cost per project

compared to other standard stone facade solutions.



INCREASED ARRAY OF BENEFITS ON ALL LEVELS



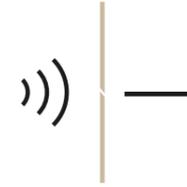
WEIGHT

Up to over 50% weight reduction per square meter which leads to significant cost savings on transport and handling, resulting in lower installation times and easy maintenance and repair.



THERMAL

30 % increase in thermal efficiency when compared to natural stone. Thermal insulation compatible with major insulation projects using cork.



ACOUSTICS

10 % reduction in noise transmission when compared to a standard natural stone. Improved sound absorption.



ELASTIC RECOVERY

Shape-memory solution when compared with standard lightweight stone cladding products.



IMPACT STRENGTH

3 x higher impact strength and higher energy absorption when compared to conventional stone solutions or other brittle materials.



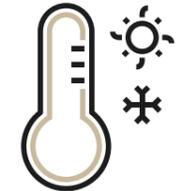
DURABILITY

Core Adhesion
STORK resists to a higher number of ageing cycles due to its composite DNA.



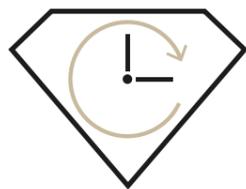
MOISTURE PROOFNESS

Cork composite layer allows suitable flooring installation, **enhancing stone capacity to react moisture.**



THERMAL FATIGUE

3x higher impact strength and higher energy absorption when compared to conventional stone solutions or other brittle materials.



AGEING & DYNAMIC ENDURANCE

STORK is the only natural stone cladding product **not showing relevant damage after 10 million load cycles** (2 times higher than regular service load).

ADVANTAGES FOR ALL



Consumer



Architects & Designers

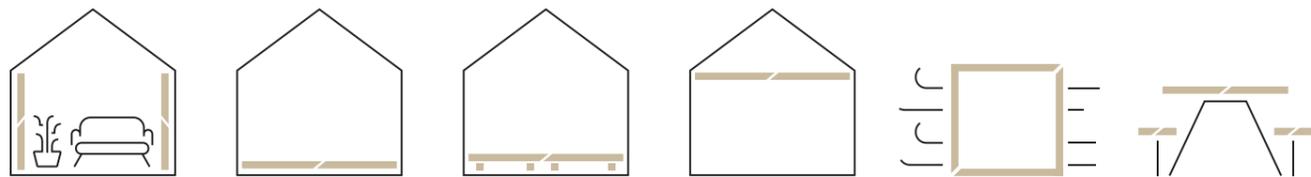


Contractor



Industry

A REALM OF NEW POSSIBILITIES



INTERIOR WALLS

STORK offers a choice of lightweight cladding or partition walls for new builds or renovations. Safe and easy to install on all types of substrates or partition substructures.

FLOORING

STORK flooring panels can be used to improve sound or thermal insulation. Installed on all types of substrate, including existing tiles, wooden floors, cement, gypsum and plasterboard. Other flooring applications on demand: Ship or Yacht decking and illuminated dance floors.

ACCESS FLOORS

Suitable for several loose lay access flooring systems according to the international technical requirements. Ideal for offices, ease access to the underfloor area allows greater design flexibility, faster construction, workspace reconfiguration and rapid repairs.

CEILINGS

An appropriate option for soffits and suspended ceilings, STORK panels achieve a Group 1 fire rating and have great long-term thermal properties. Ideal for new and retrofit projects, easy to install with invisible fixings, making installations fast and simple.

VENTILATED FACADES

Versatile cladding for innovative and functional ventilated facade, balconies and sunblind solutions. Used on their own or in combination with other materials. Perfect to design singular effects and textures by using an invisible anchoring system.

SPECIAL PROJECTS

Using flexibility as the main advantage in STORK. From custom made facades, tables, kitchen tops or house equipment's to aeronautical applications. We have the teams to match your needs.

For detailed installation instructions see our website.
stork-composites.pt

SEAMLESS FINISHES

A photograph of a white marble table with a red napkin and silverware, set against a background of a red tufted chair.

STORK ANY STONE

Available in different dimensions

THICKNESS

Total Thickness: 15 to 30mm.
5 to 10mm of natural stone.



NATURAL STONE FINISHES*

*The stone finishes illustrated here are just some examples.
You can "stork" any kind of natural stone.



Alpinina
Limestone



Lioz
Limestone



Lioz Azulino
Limestone



Cinzeno Pedras Salgadas
Granite



Rosa Monção
Granite



Amarelo Vila Real
Granite



Moca Creme
Limestone



Moleano
Limestone



Pele de Tigre
Marble



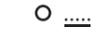
Crystal Agate



Port Black
Marble



Invisible Greygold
Marble



Ruivina
Marble



Estremoz
Marble



SPI Azul Alpalhão
Granite



POSSIBLE FINISHES

- POLISHED
- ▽ HONED
- ⊖ BUSH HAMMERED
- ~ BRUSHED
- ⧄ IRREGULAR SCRATCHED
- ⋯ SAND BLASTED
- ⊙ AS SAWN
- ⋈ FLAMED

NOTE: Stork can be applied to any stone from any supplier. Blocks and slabs vary in appearance and dimension since they are a natural product.
All the stone names presented are trademarks from their own brands.

EDGE and UNION FINISH

Fillet Edge



Chamfer Edge



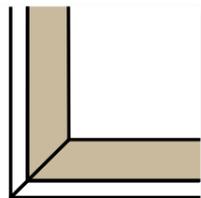
Bullnose Edge



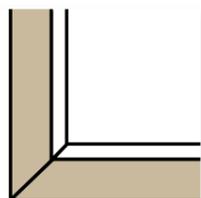
Bird Bick Edge



Double Panel



Negative Corner



QUALITY ASSURANCE

STORK engineering department will ensure that the natural stones, cork and other materials used in the panels fulfill with the requirements and reception conditions in accordance with STORK technical specifications, namely:



ITECONS

The main homologation body in Portugal for construction projects and products, handles the CE marking and European Technical Assessment (ETA).



INSTITUTO SUPERIOR TÉCNICO

Revised by its technical commission on construction products, which also delivers, upon request, special project design. Also monitored and validated all testing methods performed according to CWCT (Centre for Window and Cladding Technology, UK) for NBS Specification H92 Rainscreen Cladding.



STONE.PT

The certification agency for stone products made in Portugal allows full agreement with technical specifications for carrying out all stages of the transformation process.

STORK SERVICES

PLANNING

STORK engineering & architectural team helps you making a more efficient project management.

DESIGN/ENGINEERING

Turnkey solutions to suit your needs, from sketch to client handover.

CUSTOM SAMPLES

Custom samples are available upon request. We will gladly take your call or email.

BE ONE OF OUR PARTNERS





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