

READY
FOR
FUTURE

 **CLASSEN**[®]

CERAMIN[®]

What is CERAMIN?

CERAMIN is the natural material that makes the respective end products, such as synthetic flooring, something special. **Healthy for living, 100 % recyclable, robust and dimensionally stable.**

CERAMIN is a new type of PVC-free material and serves as a core board for high-performance floor and wall coverings.



CERAMIN was developed for the future.

As the heart of robust, durable plastic products without PVC.

As a natural, pollutant-free material for long-lasting health.

As the only market-ready alternative Made in Germany that already makes, for example, 100 % recyclable polymer floors and does not burden the environment and the future of our children.



CERAMIN is an unique, patented material.

-  healthy for living
-  PVC and pollutant free
-  100 % recyclable
-  made with recycled materials
-  upcycling during production
-  kids and pets friendly
-  beautiful designed decors
-  acoustic comfort
-  100% water resistant
-  robust
-  durable
-  UV-resistant
-  floor heating friendly
-  for wall, floor, new and renovation
-  quick installation
-  warm when touched

The components of CERAMIN

CERAMIN consists of 60 % natural mineral filler, 39 % polypropylene (PP)-based polymers and one percent environmentally and health-friendly additives.

The mineral filler has a positive influence on the mechanical properties: increasing flexural strength and stiffness, improving dimensional stability, increasing heat resistance.

The raw materials are largely sourced within Europe and processed in Germany, so that short transport routes ensure high availability of CERAMIN.

Special properties of CERAMIN

When used as a CERAMIN board for wall and floor coverings, the material allows a low installation height and is therefore particularly suitable for renovations as well as refurbishments.

It is suitable for use in almost all interior areas, even in wet rooms. Its advantages also lie in its robustness, durability and resistance to moisture.



Sustainable

CERAMIN is healthy to live with and carefree to use.

- No PVC is used, but polypropylene (PP).
- It does not contain phthalates or other plasticizers.
- It is emission-free, i.e. no pathogenic additives are emitted.
- CERAMIN products from CLASSEN meet the requirements of the label of the eco Institute and the environmental seal "Blauer Engel" of the German Federal Government, which is awarded only to wall and floor coverings without PVC.

The CERAMIN material meets the requirements of the EU Strategy of Plastics:

- optimal product design and the associated recyclability
- durability, reusability
- production including the use of internal waste and external recycled content (incl. post-consumer)
- recycling of products



CERAMIN is 100 % recyclable - in contrast to PVC

- **CERAMIN is PVC-free and healthy to live with**
Those who choose healthy building materials such as CERAMIN® remain permanently free of harmful emissions.
- **CERAMIN is the alternative solution**
Where raw materials such as wood and natural stone are scarce, CERAMIN® is today more than „just“ a good Alternative.
- **CERAMIN® is part of the circular economy**
Consequent „Design for Recycling“: Use of recycled material in production (62.5 % in PP content) & obtain a product that is 100 % recyclable.

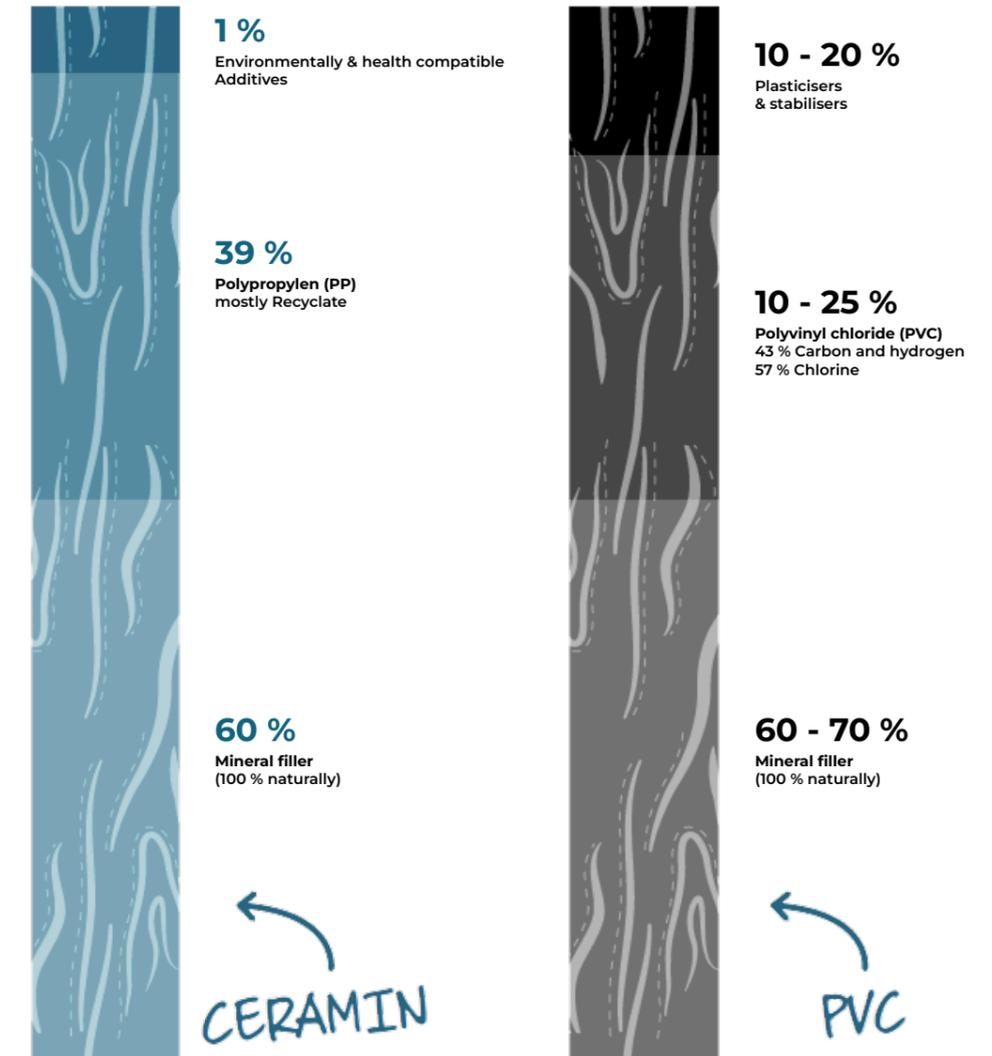


- 25 % recycled material of the total product
- by using recyclates in CERAMIN, a so-called upcycling of the recyclates into a highquality product with a long service life takes place.
- by using PP recyclates in CERAMIN, 25 000 tons less crude oil are consumed per year for the production of polymers.



CERAMIN® is not only 100 % recyclable, but there is already 62.5 % recycled Material. Certified with the „Blue Angel“ the Federal government and the environmental seal „EU Ecolabel“!

CERAMIN is odorless and does not contain substances that can evaporate and are harmful to health. One quarter consists of material that has already been recycled. PVC can emit harmful plasticizers and chlorine for many years.





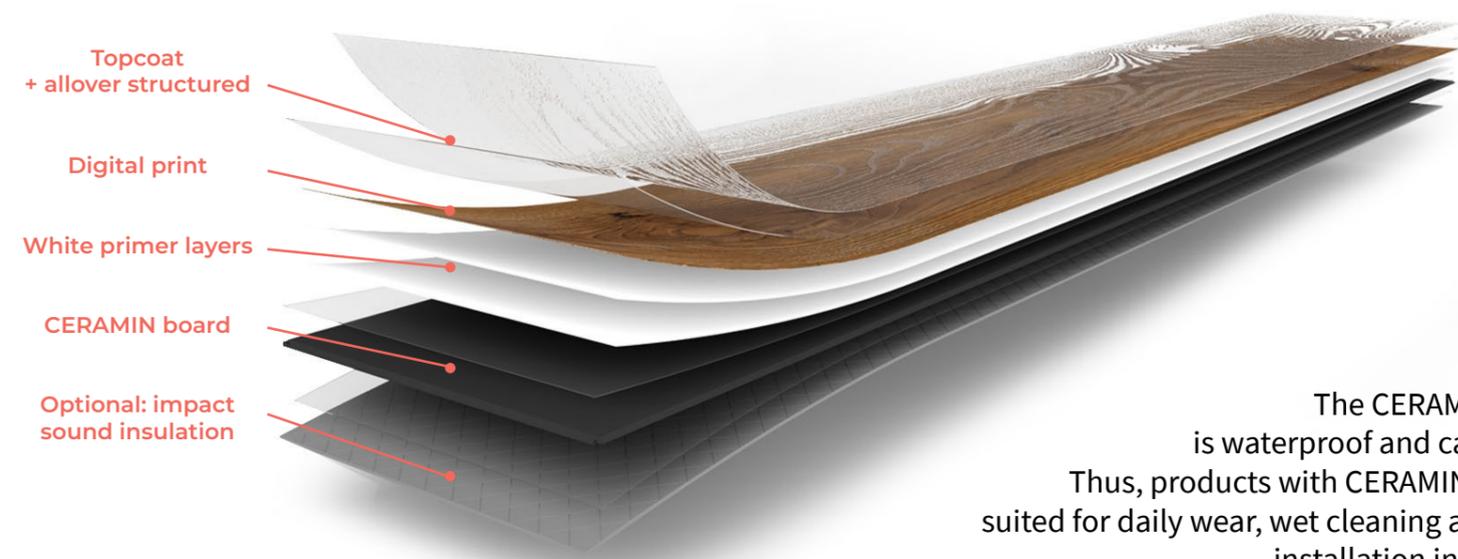
100% water resistant

The alternative to natural stone or ceramic tiles

Whether for the renovation of walls or floors, whether for the design of a new floor: CERAMIN. Flexible application, quick and safe to use. The beautiful and functional alternative to natural stone and ceramics.



The 100% waterproof core is a reliable and proven protection against the effects of water spills.



The CERAMIN material is waterproof and cannot swell. Thus, products with CERAMIN are ideally suited for daily wear, wet cleaning and even for installation in wet rooms.

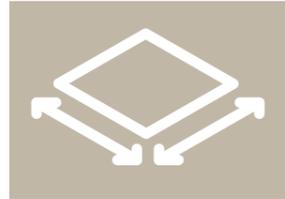
Underfloor heating



Ceramin can be laid on warm water and electric underfloor heating systems. These must be permanently installed in the screed and the surface temperature must not exceed 29°C. Thermal resistance of panels with a thickness of 4.5 mm = 0.02 m² K/W.



100% dimensionally stable



DURABLE AND ROBUST – high stability + strength

The floor tiles are 100% dimensionally stable, UV-resistant, waterproof, easy to clean and simple and safe to install thanks to the quick installation system.

The matt surface with its high-quality low gloss level is convincing in every size variant and with all of the authentic wood or natural stone decors.

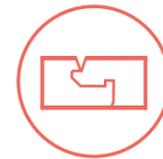
CERAMIN offers core boards with a few millimeters, which are particularly resilient and suitable for frequently used living spaces as well as for commercial and industrial properties.



Designed for easy and quick installation

Thanks to locking system, CERAMIN is guaranteed to be easy to position during installation. The four-sided micro-bevel ensures a perfect finish on floor and wall. You can lay the CERAMIN by clicking on it or gluing it to the screed floor.

Locking systems



megaloc

click or glue mounting



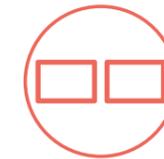
easyloc

click or glue mounting



seal joint

glue mounting



square edge

glue mounting

Scan!



See how easy it is to lay a CERAMIN floor.



Different dimensions

We offer beautiful wood and stone patterns and many sizes of our planks and tiles. Colours and textures are the best inspiration for new and interesting designs.

- 173 x 1290 mm
- 203 x 1290 mm
- 246 x 1290 mm
- 392 x 1180 mm
- 387 x 776 mm
- 310 x 638 mm
- 1202 x 2550 mm

Easy cut

Need to cut the plank? Use a cutter knife!
Need to make a hole? Use a compass!



Why CERAMIN?



Whether it's diet, fitness or the extent of smartphone use - more and more people care about living a conscious life that enhances their quality of life without sacrificing convenience. This is also possible with something we spend most of our lives on - our flooring. That's because the plastic floors in CLASSEN's new target-group-specific CERAMIN series are free of harmful substances, recyclable, yet robust and easy to install.

As a pioneer in innovative flooring, CLASSEN has fascinated people for decades with high-quality designs and unique technologies. At the same time, the company has always been aware of its responsibility to develop products that do not harm people's health and the future of our planet. More than ten years ago, CLASSEN therefore developed the unique material CERAMIN, which makes sustainable plastic-based floor coverings possible entirely without PVC, and thus entirely without chlorine, stabilizers, phthalates or other harmful plasticizers. Products with CERAMIN therefore bear, among others, the environmental awards „Blue Angel“, from the Eco Institute and other international testing facilities.



CLASSEN. Made in Germany

With its CERAMIN material, CLASSEN redefines synthetic flooring. The purchase of a synthetic floor becomes a conscious decision that you will not regret. No matter what demands are made on a carefree life now and on an unencumbered future for present and future generations.

The headquarters of the CLASSEN Group in Kaisersesch is the centre for the design and production of SPC composite wall and floor coverings. Our unique technology enables us to produce a PVC-free, 100 % recyclable product with the best designs as well as excellent quality and finish.

From raw material production to plate extrusion, from digital printing technology to durable surface layers, as well as milling our easy-to-install joining system and preparing products for shipment - all processes are closely integrated in our modern factory.

All this out of concern for health and well-being of all of us and in order to slow down climate change.

FUTURE. NOW





100%

RECYCLABLE



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