

CORE[®]

FULL-BODY DESIGN

Full-body

Pressing porcelain together with decorative flakes to achieve a full-body effect.

The CORE application is based on the heterogeneous mixture of different types of clays during the atomization process. This technique allows for a unique and varied design in the ceramic body, creating a rich and complex visual appearance that simulates the natural variations found in stone—a full-body effect. The mixture can include clays of different colors, resulting in a piece with specks and tonal variations that give it a distinctive character.

Application Process:

- **Mix Preparation:** During the atomization phase, you start with a homogeneous base of the desired color, such as white. Then, small amounts of differently colored clays (e.g., black or gray) are added.

Advantages:

- **Natural Aesthetics:** The variability in the clay mixture creates an appearance that emulates natural stone, resulting in an elegant and sophisticated finish.
- **Design Versatility:** When making furniture where the ceramic body is visible, you achieve a more aesthetic and natural look.
- **Conceals Impacts:** Although porcelain is a very hard material, in the event of a strong impact or wear, any defect appears more integrated, making it less noticeable.

Applications

- **Furniture:** Perfect for kitchen countertops and bathroom cabinets, where an elegant, durable finish is desired.
- **Wall Cladding:** Ideal for both indoor and outdoor wall cladding, providing a sophisticated aesthetic.

ORION®

NATURAL VEIN THROUGH

Through-Body Veining

Continuity of the veining inside the piece, giving it structural integrity.

The ORION application is characterized by the creation of through-body veins within the ceramic body, imitating the natural formations found in stone. This process is achieved through the controlled application of clay layers during pressing, allowing for intricate and deep patterns that extend through the entire thickness of the piece.

Application Process:

- **Layer Addition:** Layer by layer, different clays are selectively added, dropping the desired color at the chosen spot until the model's full thickness is reached.
- **Pressing:** Once all layers are in place, the mixture is pressed to consolidate the different clays into a single cohesive piece.

Advantages:

- **Natural Stone Imitation:** ORION allows for the replication of veins and patterns, resulting in a unique and natural-looking finish.
- **Design Depth:** The veining is not merely superficial; it runs through the entire thickness of the piece, enabling natural wear without any loss of the original design.
- **Design Versatility:** When used for furniture where the body of the piece is visible, it achieves a more aesthetic and natural finish.
- **Conceals Impacts:** Although porcelain is extremely hard, should it receive a strong impact or experience wear, any defect appears more integrated, thus helping to disguise it.

Applications:

- **Furniture:** Perfect for kitchen countertops and bathroom cabinets, where an elegant and durable finish is desired.
- **Wall Cladding:** Ideal for interior and exterior wall cladding, providing a sophisticated aesthetic.

LUMEN[®]

SELECTIVE TEXTURE EFFECT

Selective Relief

Decorative reliefs in specifically chosen areas of the design.

The LUMEN application incorporates the use of water-repellent inks during the digital printing process to create reliefs and textures on the ceramic surface. This innovative technique enables the design of pieces with three-dimensional effects that enhance both the visual and tactile appeal of the ceramic.

Application Process:

- **Digital Design:** The design of the model is printed.
- **Water-Repellent Ink Printing:** In the digital printing machine, the final nozzle applies a water-repellent ink to the selected areas of the design.
- **Kiln Firing:** During firing, the areas with water-repellent ink deform slightly, creating a relief that can be raised or recessed.
- **Cooling:** The piece is cooled, consolidating the relief formed by the water-repellent ink.

Advantages:

- **Realistic Texture:** LUMEN enables the creation of textures that closely mimic natural materials with remarkable realism.
- **Design Versatility:** This technique is highly versatile and allows for the creation of a wide variety of customized patterns and textures.

TITAN®

METALLIC SURFACE

Metallic Finish

Surface design with metallic nuances.

The TITAN application utilizes special metallic inks during the digital printing process to add a metallic finish to ceramic pieces. This effect imparts a modern and elegant touch, taking the ceramic design to a new level of sophistication.

Application Process:

- **Digital Design:** The model's design is printed.
- **Metallic Ink Printing:** Special metallic ink is applied using a digital printing machine to the designated areas of the design.
- **Kiln Firing:** During firing, the metallic ink fuses with the ceramic surface, creating a glossy, reflective finish.
- **Cooling:** The piece is cooled, ensuring that the metallic finish is perfectly adhered and durable.

Advantages:

- **Modern Aesthetics:** TITAN provides a metallic finish that adds a contemporary, sophisticated touch to any ceramic design..
- **Customization:** This technique allows for the creation of unique designs with customizable metallic effects.



ECLIPSE[®]

ELEVATED TEXTURE SURFACES

Smart Surface Decoration

Decorative selection with different particles to achieve various volumetric effects.

The ECLIPSE application consists of selectively creating pronounced textures by applying granules onto an adhesive base. This technique allows for the design of pieces with both tactile and visual textures, enhancing the depth and aesthetic appeal of the ceramic.

Application Process:

- **Digital Design:** The model's design is printed.
- **Adhesive Application:** Using a digital printing machine, an adhesive is applied to the designated areas of the design.
- **Granule Application:** The piece passes through a machine where granules are scattered over the adhesive. The granules adhere to the areas with adhesive, while the excess is vacuumed away.
- **Kiln Firing:** During firing, the granules fuse with the ceramic surface, creating pronounced, durable textures.

Advantages:

- **Pronounced Texture:** ECLIPSE allows for the creation of tactile and visual textures that add depth and aesthetic interest to the ceramic—no pressing molds needed.
- **Design Versatility:** This technique enables a wide range of customized designs and textures.



COMET[®]

GEMS DECORATION

Radiant Effect

A radiant effect produced by shimmering particles of varying intensity, depending on the angle from which the surface is viewed.

The COMET application is characterized by the incorporation of shiny granules, glass chips, or sparkling particles into the ceramic during its manufacturing process. This effect adds a touch of sparkle and luxury, enhancing the ceramic's appearance and introducing a striking visual element.

Application Process:

- **Digital Design:** The model's design is printed.
- **Application of Shiny Granules:** Shiny granules, glass chips, or sparkling particles are applied to the ceramic surface.
- **Kiln Firing:** During firing, the sparkling particles fuse with the ceramic surface, creating a brilliant, long-lasting finish.
- **Cooling:** The piece is cooled, ensuring that the sparkling particles are firmly adhered and visibly distinct.

Advantages:

- **Shine and Luxury:** COMET provides a brilliant finish that adds a touch of luxury and elegance to any ceramic design.
- **Customization:** This technique enables the creation of unique designs with customized sparkling effects.