

Sintered Limestone

Brazoria Courthouse, Angleton, TX

ceramITeX®
by elemex®



Project City: Angleton, TX

Products: Ceramitex® Sintered Ceramic Facade

Industry: Government

Square Footage: 78,000 sq.ft.

Architect: Brinkley Sargent Wigington Architects

Architect of Record: Burditt Consultants LLC

Construction Manager: Spawglass

Year Built: 2024

The Brazoria Courthouse project in Angleton, Texas, involved the installation of nearly 80,000 square feet of Ceramitex® sintered ceramic facade system. Phase 1 saw the successful installation of 34,000 square feet, which led to Phase 2 with an additional 44,000 square feet. This project highlighted the company's ability to deliver high-quality, aesthetically pleasing results that exceed client expectations.

Transporting nearly 5,000 panels over 2,300 kilometers across North America posed significant logistical challenges. Effective coordination and communication with all stakeholders were crucial in overcoming these hurdles and adhering to the project timeline. The team's dedication and meticulous planning ensured the safe and timely delivery of the panels, maintaining their commitment to quality and reliability. Trust in their expertise to deliver a high-quality, reliable solution that meets your needs and exceeds your expectations.

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The Brazoria County judges wanted the new building's facade to mimic the exterior of the 1940's limestone masonry block which was quarried nearby and dotted with oceanic fossils and marbled with other minerals. That's when we began exploring custom finishes. In all it took two rounds of samples to get the color right, but the fossil-like designs created for the custom finish were convincing of a natural slab of coastal limestone matching the 80-year old masonry on the existing courthouse next door. Once the mock-up panels were in place almost a year later, the panels were endorsed for the county's next project phase on the same site, the re-cladding and upgrading of their 1970's Justice Center.

Darren Butler
NVLP - Product Rep for Elemex

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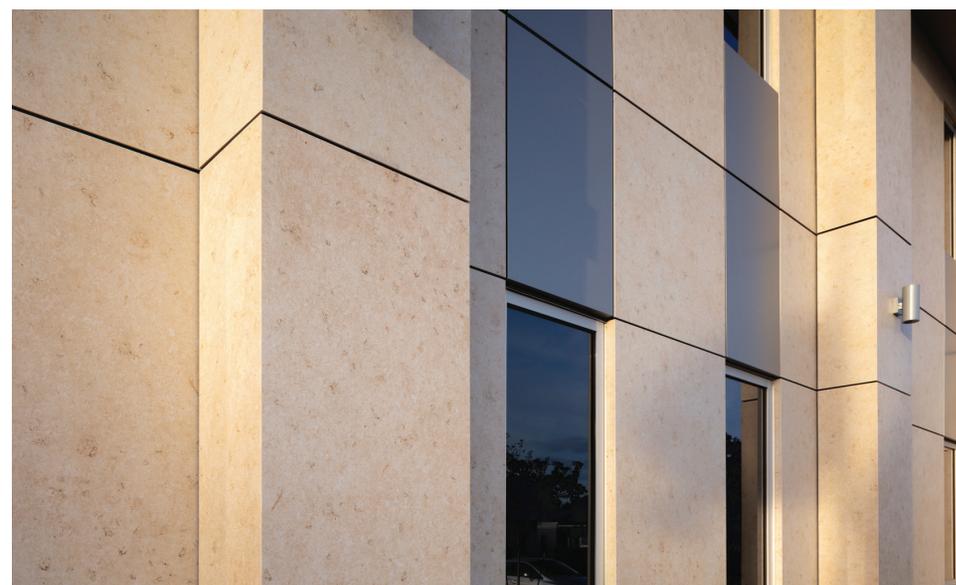
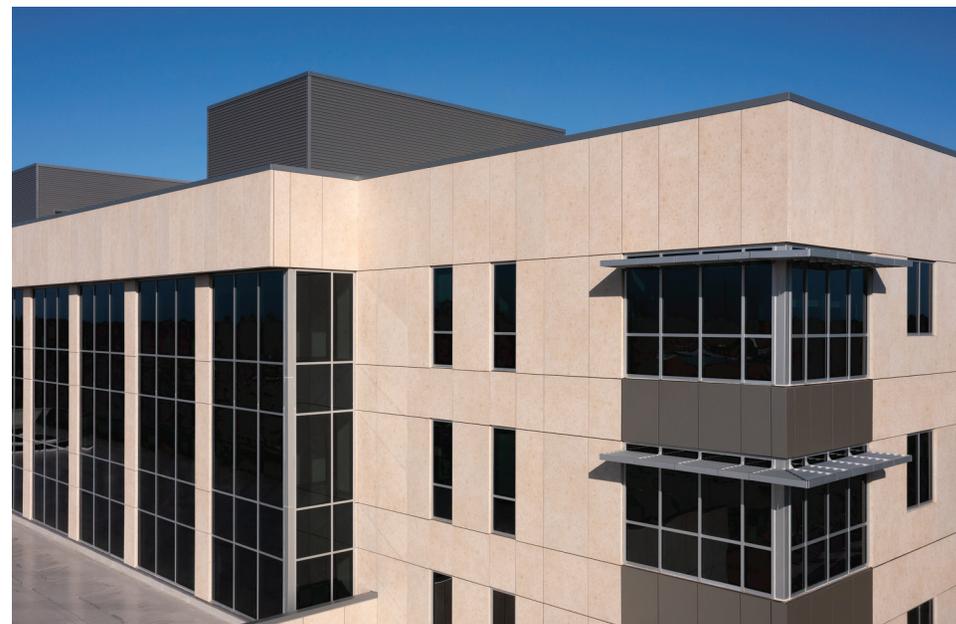
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Benefits of sintered stone

Sintered stone offers numerous advantages over limestone, making it an excellent choice for modern construction and design. Unlike limestone, which is relatively soft and porous, sintered stone is incredibly durable and non-porous, providing superior resistance to scratches, impact damage, and more importantly staining and discoloration.

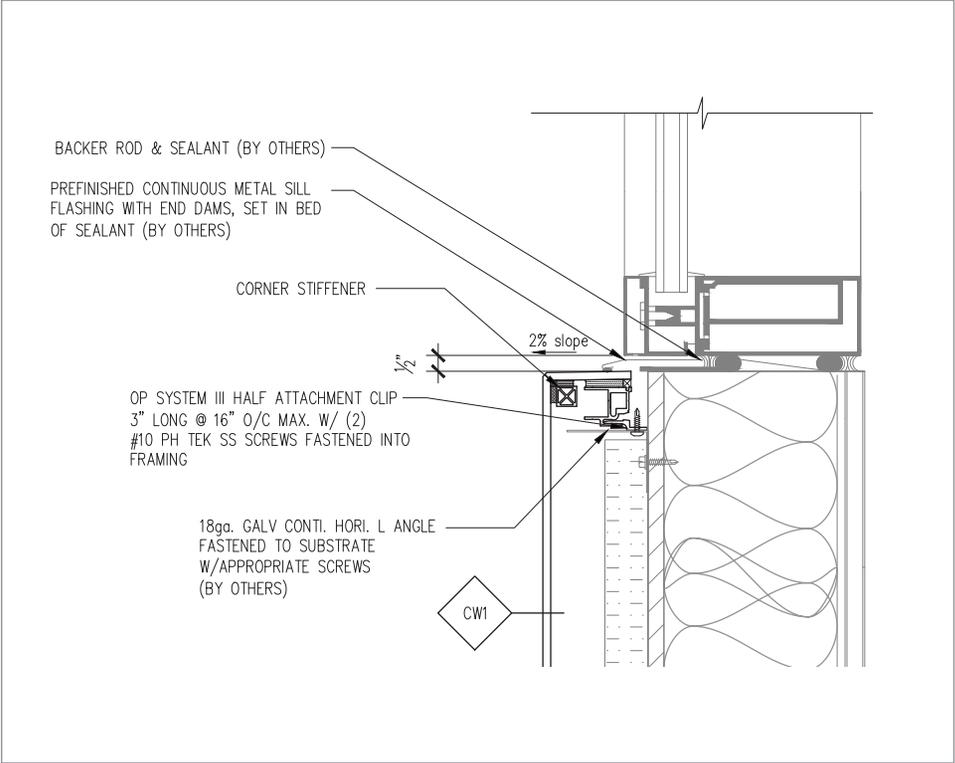
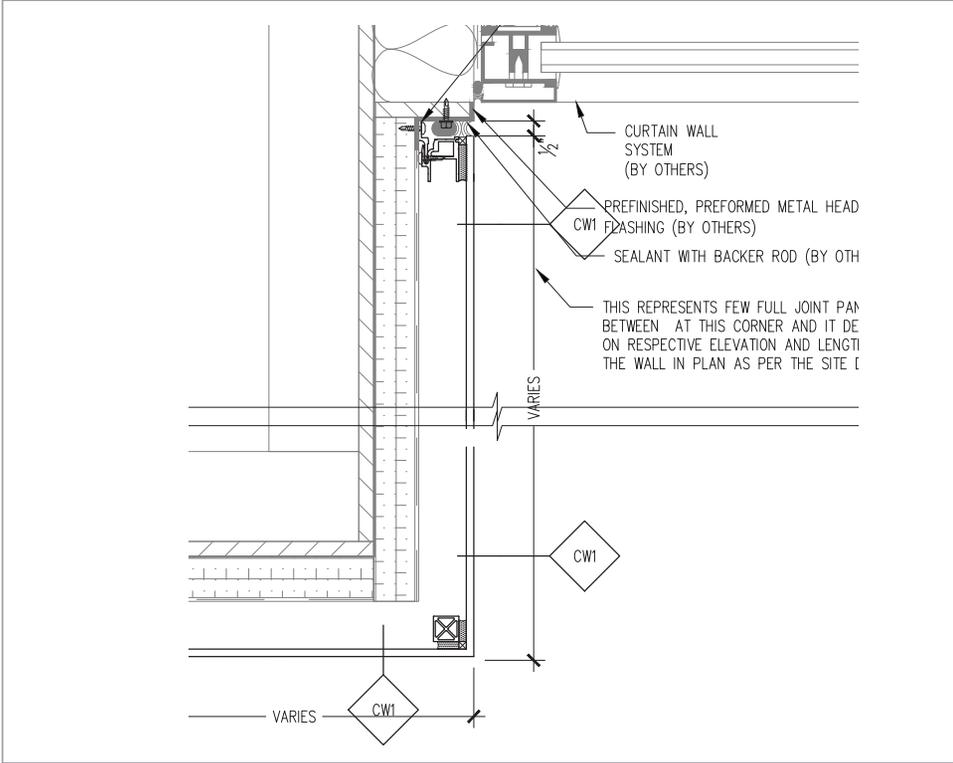
Dimensional a honeycomb backed limestone typically incorporates a wet-seal (caulking) at panel to panel joints. Using caulking within a rainscreen system is generally discouraged because it can compromise the system's primary function of managing moisture. Rainscreen systems are designed to allow water that penetrates the outer cladding to drain and evaporate through a ventilated air gap. Additionally, caulking is prone to deterioration over time due to weathering and thermal expansion, which can create gaps and allow water infiltration. The Unity(TM) dry-joint system eliminates the need for adhesives or sealants, which can deteriorate over time and lead to potential failures.



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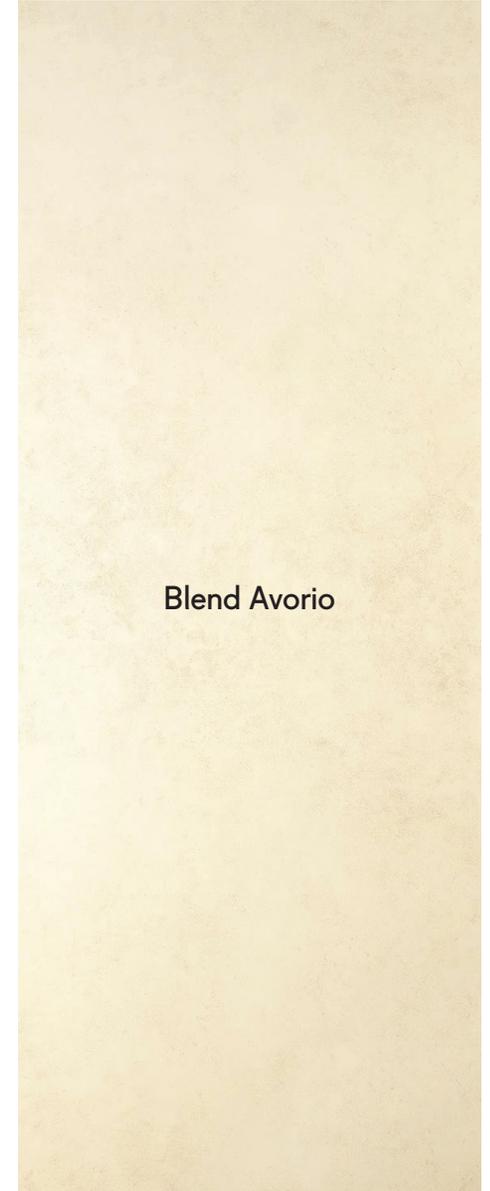
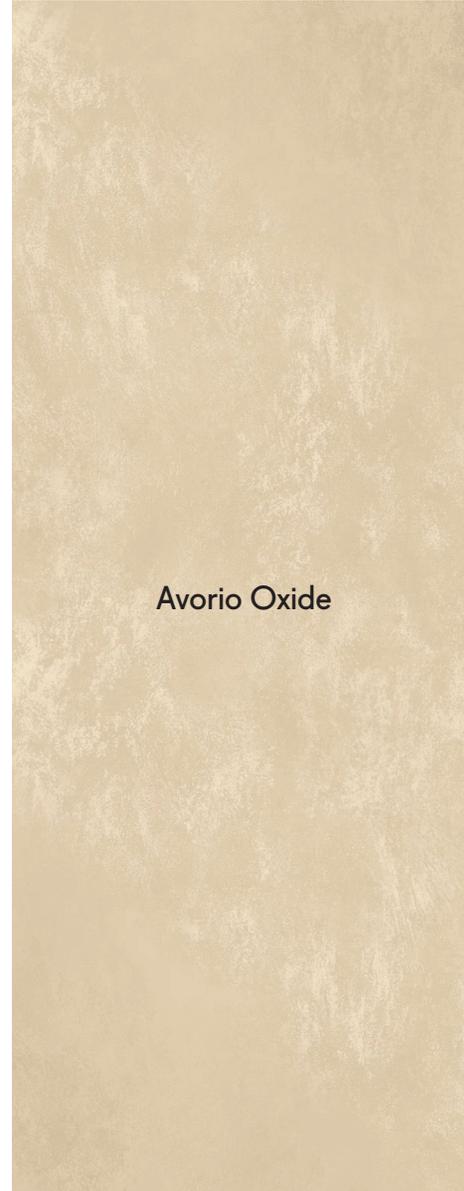
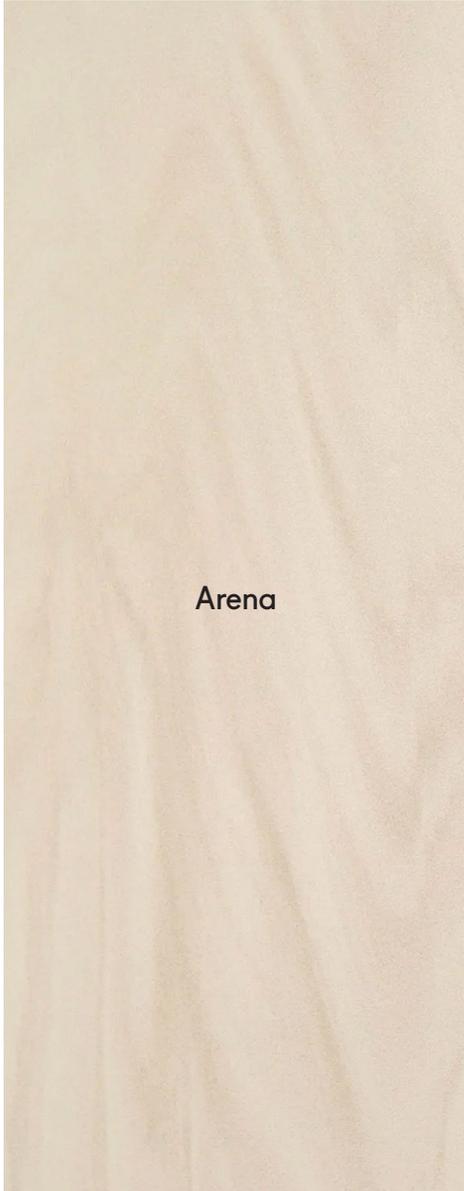
Typical System Details



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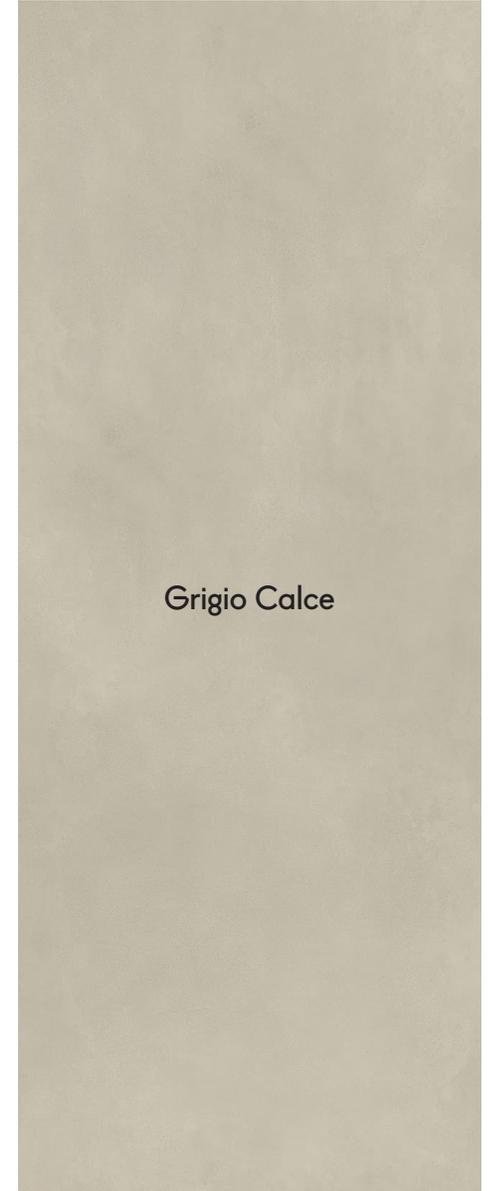
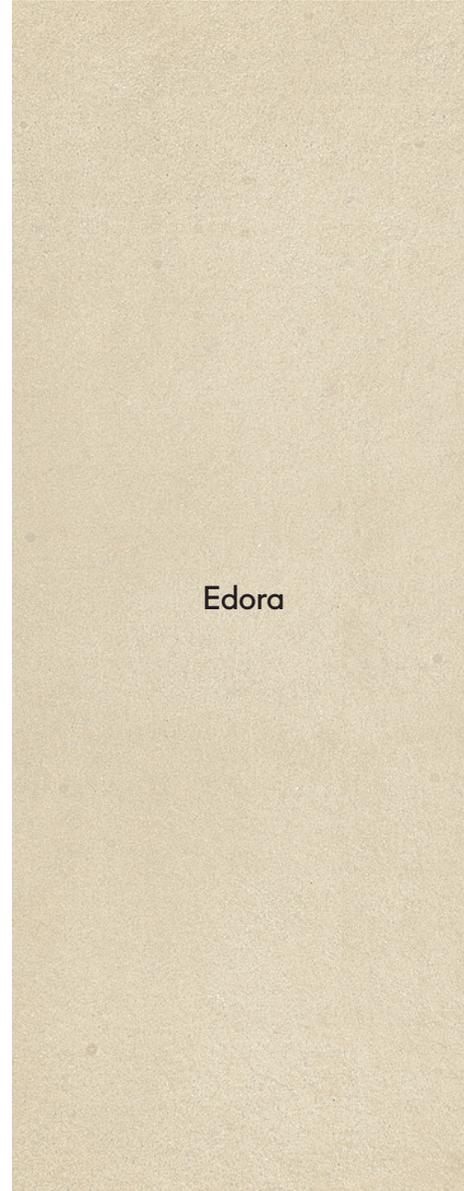
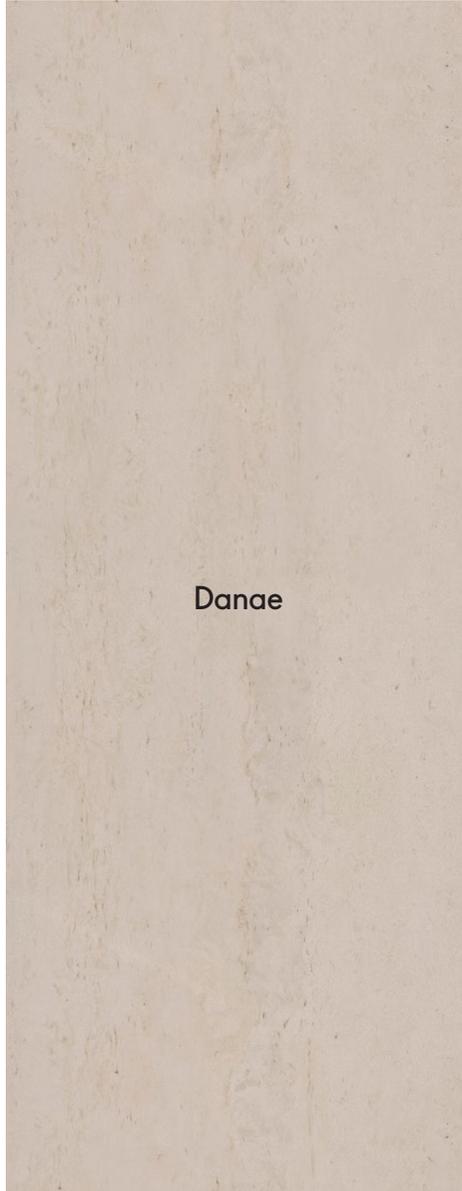
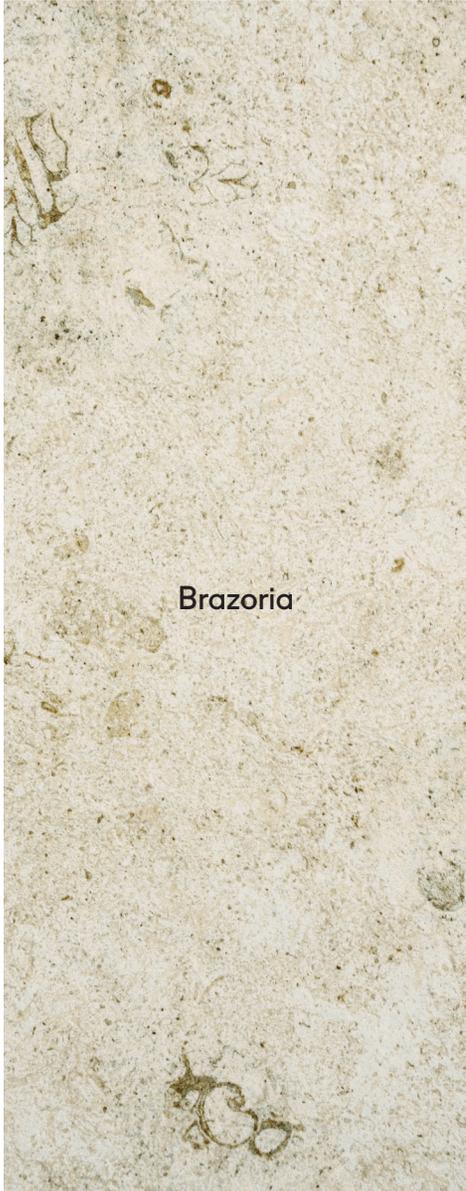
Standard Limestone Colors



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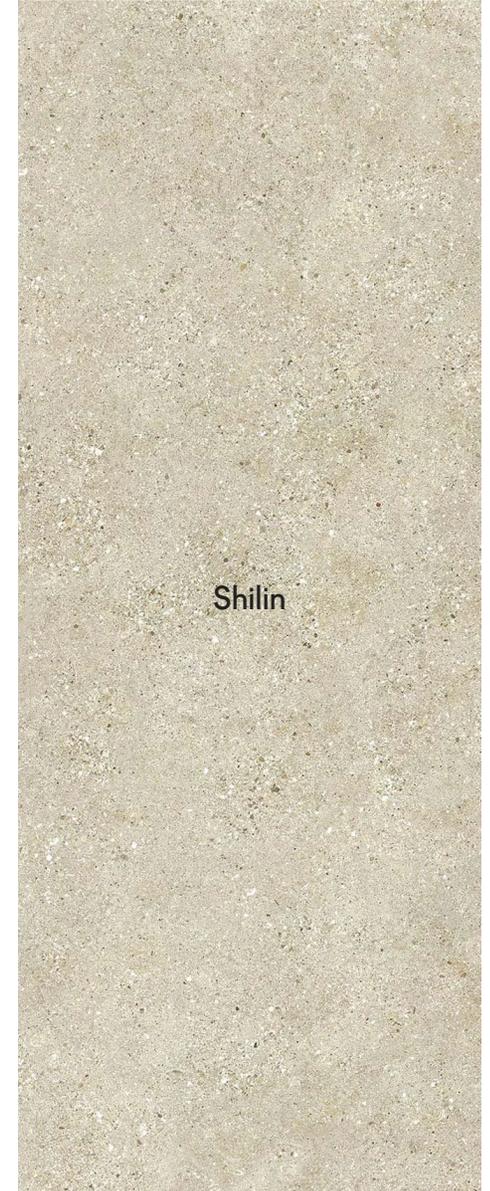
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