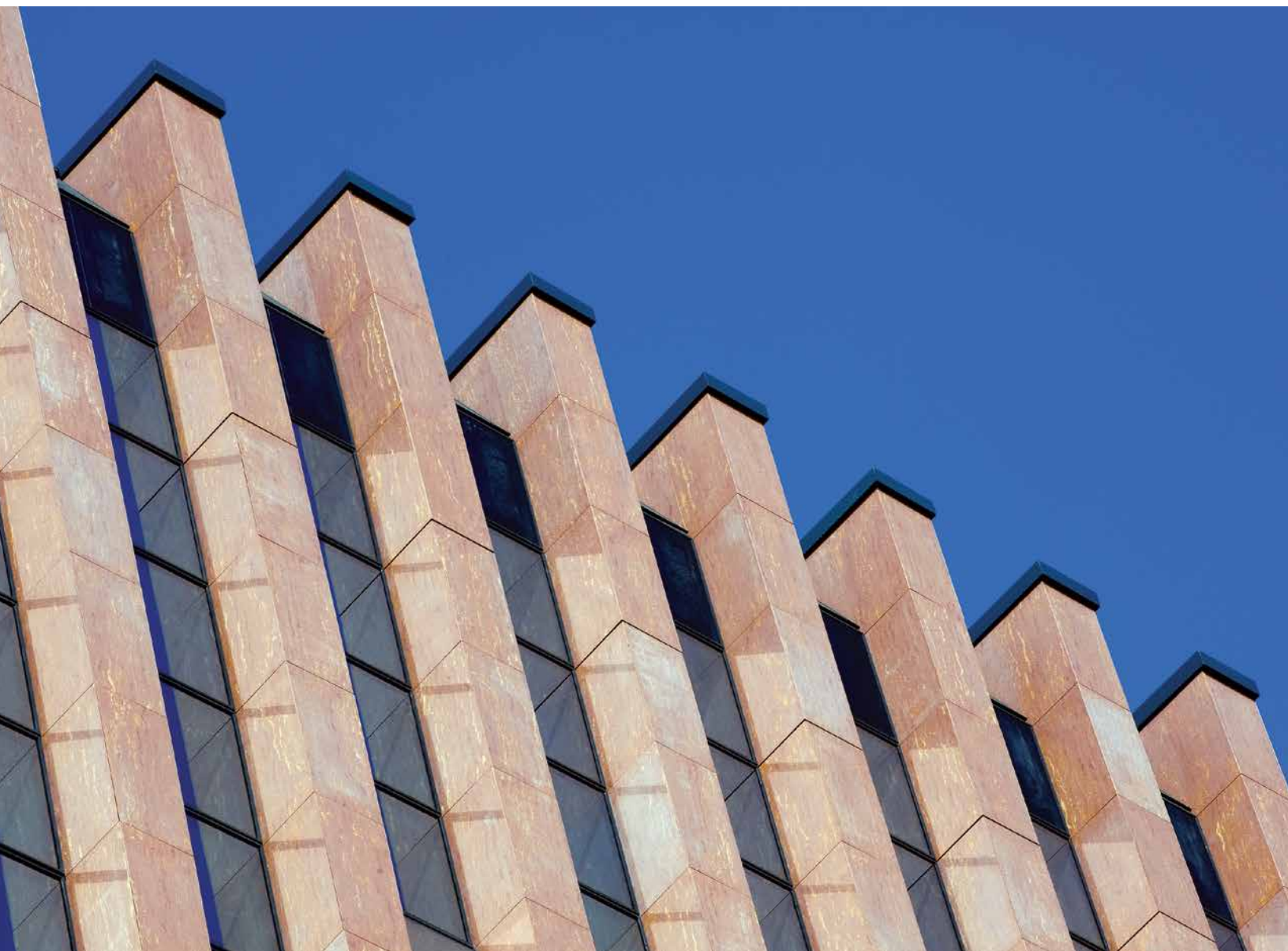


PORCELAIN PANEL RAINSCREEN SYSTEMS



TerraCORE 
by  FIANDRE

FIANDRE ENGINEERING

PORCELAIN PANEL RAINSCREEN SYSTEMS

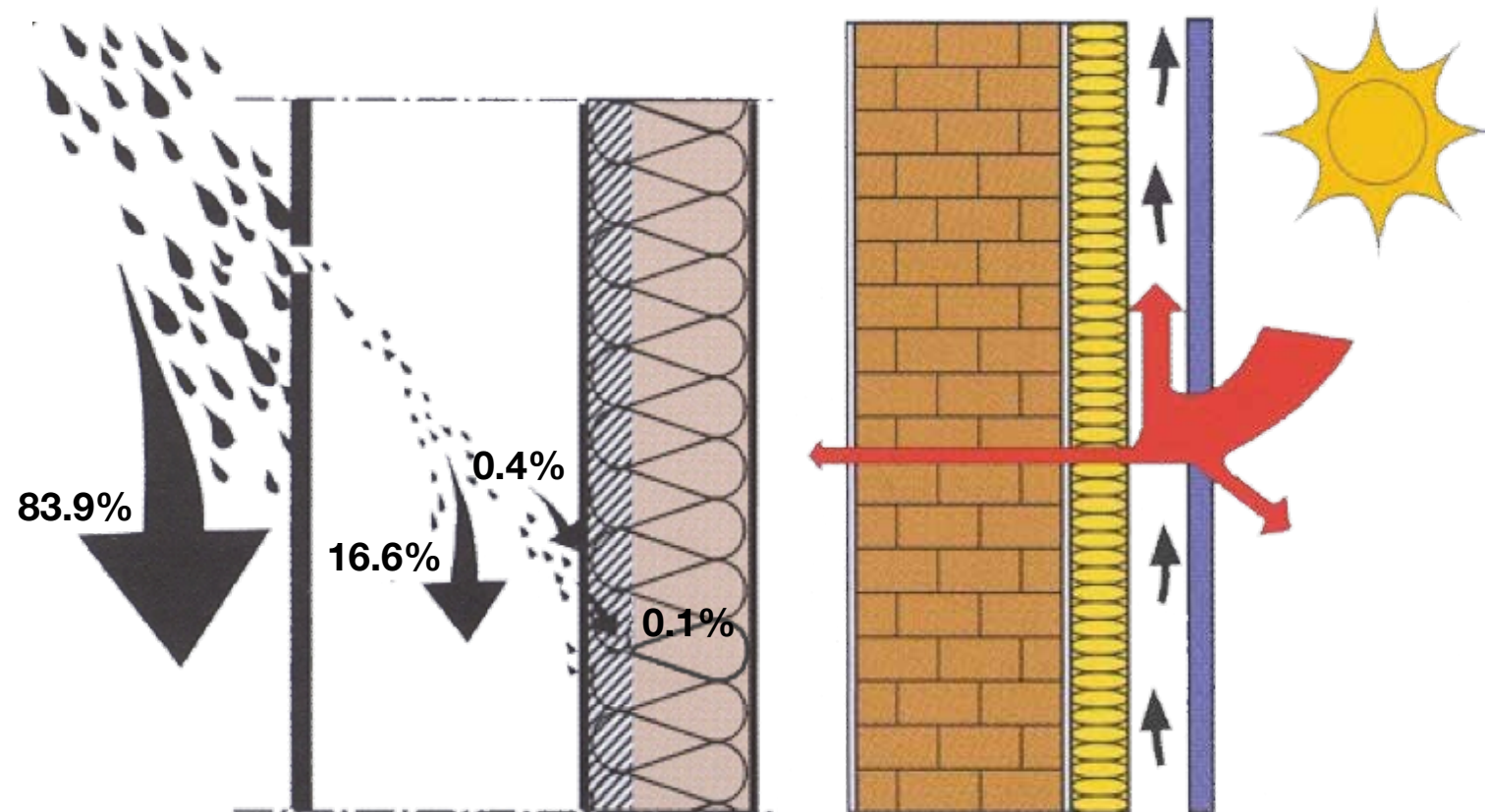
WHAT IS A PORCELAIN PANEL RAINSCREEN SYSTEM?

Porcelain Panel Rainscreen Systems have been widely used throughout Europe for more than 20 years, combining aesthetic appeal and continuous insulation features.

This highly engineered curtain wall system consists of an aluminum sub frame that is attached to the building using aluminum profiles, separating the porcelain facade from the building structure. This creates an air cavity that removes heat from solar radiation and promotes continuous drying of any moisture that may enter in the cavity through the tile joints. This process, also referred to as **chimney effect**, ultimately provides top protection from thermal bridging of the building.

The tile will be attached using Keil anchors to one of four anchoring systems, which can be installed on any of these building structures:

- Metal studs and traditional wood framing
- Masonry walls
- Brick walls
- Tilt up wall constructions
- CMU block walls



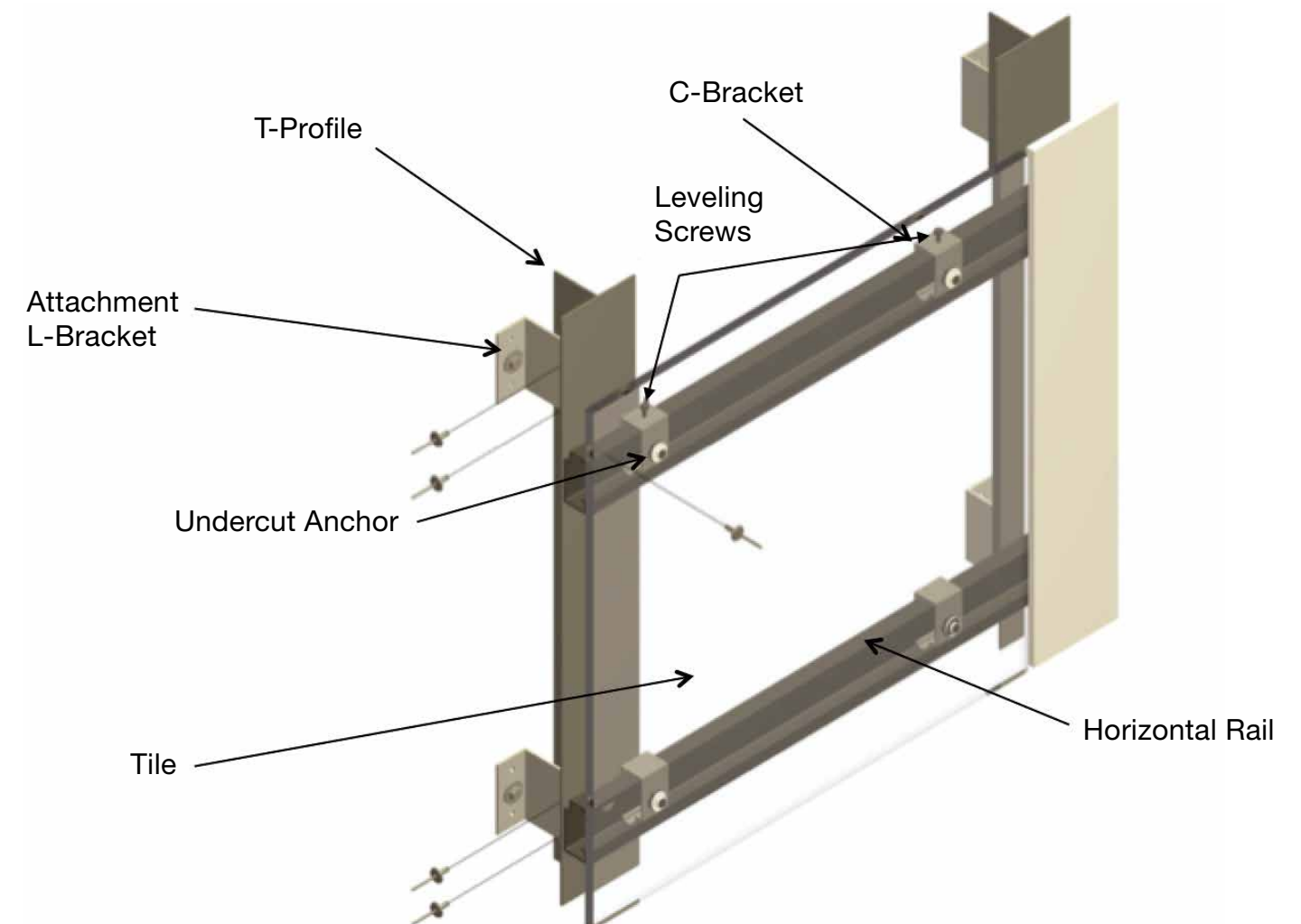
Open Joints Water Penetration

Thermal Performance

GHS ANCHORING SYSTEM

GHS — CONCEALED UNDERCUT ANCHOR SYSTEM

- The GHS undercut anchor system uses horizontal rails, which are attached to the vertical T-Profiles and L-Brackets.
- C-Brackets fastened to the tile with the Keil concealed undercut tile transfers the load of the tile onto the curtain wall sub-frame.
- GHS System is used with 8 mm and 10 mm thick porcelain slabs.



REFERENCES



Nordstrom — Calgary, Canada



Hyatt Place — Chicago, IL



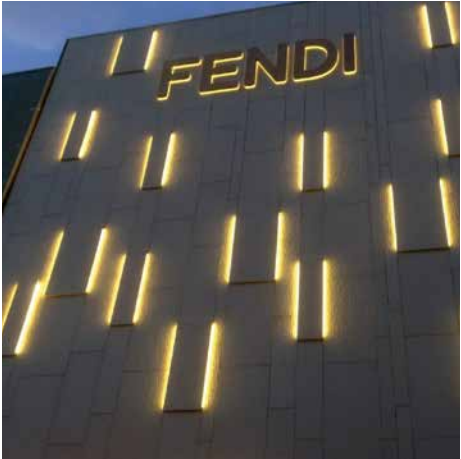
Auditorium Isernia — Isernia, Italy



H&M — Chicago, IL



Unipol — Bologna, Italy



Fendi — Istanbul, Turkey



640 N Wells — Chicago, IL



640 N Wells — Detail

INSTALLATION



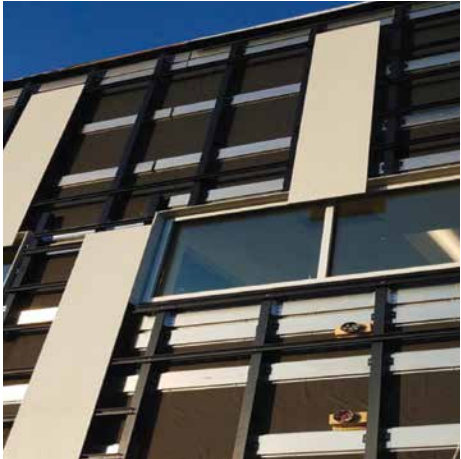
Layout of the Attachment Primary and Secondary attachment L-Bracket



Installation of rigid Insulation, Vertical T-Profiles, and horizontal rails.



Cut-To-Size Slabs Installed onto the Sub-frame and attached using keil anchors to the Extruded Aluminum Profiles.



AVAILABLE COLORS

SEE A SELECTION OF OUR MOST POPULAR FINISHES. OTHER COLORS AVAILABLE.

MADE IN USA

WEST LOOP



Sand Anthracite Grey White

SHEN



White Shades Essence Grey Lake Balance Grey Natural Bamboo

SHELLSTONE



Shellearth Shellgreen Shellgrey Shellamber Shellbone Shellblue

LARGE FORMAT

QUIET STONES



Quiet Sand Quiet Numb Quiet Rock

MEGALITH



Megawhite Megagreige Megabrown Megagrey Megablack

MARMI MAXIMUM



Calacatta Light Nebula Grigia Premium White Calacatta Statuario

MADE IN ITALY

NEO GENESIS



Neo White Neo Beige Neo Dove Neo Grey Neo Anthracite Neo Black

FJORD



White Fjord Sand Fjord Beige Fjord Brown Fjord Grey Fjord Dusty Fjord Black Fjord

BOIS URBAIN



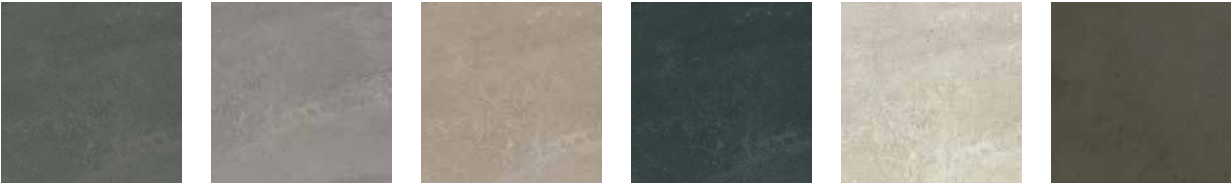
Blanche Miel Terre Noisette

FAHRENHEIT



0F Cool 250F Frost 300F Frost 350F Frost 400F Heat 450F Heat 500F Heat

CORE SHADE



Ashy Core Cloudy Core Fawn Core Sharp Core Plain Core Snug Core

MUSA



Midnight Musa Shadow Musa Pearl Musa Chalk Musa Dune Musa Clay Musa Umber Musa

FEATURES

- ICC-Evaluation, IBC, ESR 3793 compliant
- Supported by our turn-key engineering team
- Offers 4 different anchoring systems to fit all tile sizes and thicknesses
- Helps eliminating thermal bridging
- Cuts building's energy cost
- Satisfies California Building Energy Code Article 21
- Qualifies for LEED Innovation Energy Savings
- Maintenance and repair work can be done in individual tiles
- NOA-Evaluation, Miami Dade County code compliant (GHS)



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