



 **mare**

“STONE TECHNOLOGIES”



Marestone Facade Panels :

Mare Facade System is wholly an innovative brand new product. The power underlying the System are the strengths of Marestone. Marestone is non comparatively strong and homogeneous product that can be processed in all manners and can be cut to 15 mm thickness even at its largest dimensions. Marestone is the best artificial cement bound mineral aggregate stone in the world. Many varieties of stones (lime stones, marbles, granites, clinkers etc) can be processed in the planned face texture (patinato, polish, honed, antique, bush hammered) at Mare specified dimensions.

FEATURES

- **The lightest and safest**

The **lightest and safest** ventilated stone rain screen cladding system of the world are compiled by employing the above elements, stone weight being 35.5 kg/ m² (for 15 mm). No excess loads to the buildings. Loads per any specific area of stones to aluminum profiles are negligible and all the system is interlocked in most flexible manner. **Seismic resistance** is inherent for the Marestone system.

- **Strong but not brittle**

Marestones are stronger than almost 90% of the natural stones in tensile and compressive strength. This feature is accompanied by another valuable one as being **easily workable and processable**. You can cut, engrave, channel, chisel, bush hammer the Marestone. With its **monolithic** structure it is like a sculpture material and is **safe**.

- **High wind load resistance**

High wind load resistance is an exceptional feature of Marestone System. Only 12 mm thick test plates of large size (60x120 cm) resisted to static wind load according to ASTM C1201-91 and CWCT (BS) at min. 400 kg/ m² which is sufficient to meet almost all the requirements. Every slight increase in stone thickness shall bring Marestone to sufficient level for all the needs that can be considered.

- **Anchorage strength**

Anchorage strength of the horizontal aluminum profile in the channel of the stone to the stone itself is measured according to ASTM C 1354 and it is found out that no physical loads in real life can pull out the stone from the aluminum. **Impact resistance** measurements of the system are also very satisfactory. (EOTA & CWCT-BS 8200)

FEATURES -

- **Physical strengths and durability**

Physical strengths and durability of the system is undisputable. Marestone is least water absorbing, compact, minimum porosity, high tensile and compressive strengths, high abrasion resistant, excellent freeze and thaw durability material. Values for aluminum and steel elements are internationally known. The total system is excellent for attaining maximum durability.

- **Fire class**

Fire class of the system's components are A1. Marestones does not include fibers.

- **Marestone system components are all inert and non-toxic**

Marestone system components are all inert and non-toxic, does not react with most of the chemicals, does not include any toxic effect.

- **Fast and accurate installation**

Fast and accurate installation is inherently provided by the superior features of the Marestone Ventilated Rainscreen Cladding

- **Easiest cleaning**

Easiest cleaning of the rain screen is provided with Marestone. Simple washing methods are sufficient for the least water absorbing, low porosity Marestone. This feature add to its **high durability**. Its colors are also permanent as consistent with its long life span.

- **A beautiful and accurate rain screen**

Marestone which have natural features, shall be appearing on a most dependable and robust ventilated facade system. Dimensions and thickness are accurate to tight tolerances.



Dimensions :

Marestone panels are dimensioned according to your Project requirements from 60 x 150 cm and 60 x 120 cm slabs.

Colours

Marestone produced in 9 standard ranges. For your project needs, laboratory Works can be performed to have the required colours.

- 1) White
- 2) Beige
- 3) Black
- 4) Grey
- 5) Andesite
- 6) Dark Beige
- 7) Brick
- 8) Light Brick
- 9) Portland

Technical Specifications








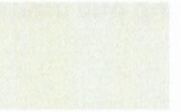
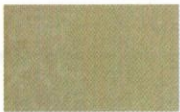





Wind Load	> 400 kgf / m ²	ASTM C 1201
Density	> 2340 kg / m ³	ASTM C 97
Water Absorption	< 2,00 %	ASTM C 97
Bending Strength	> 14 N / mm ²	ASTM C 880
Freeze and Thaw	No deformation observed	ASTM C 1026
Thermal Expansion	< 0,50 mm / m	ASTM C 880
Abrasion Resistance	< 11 cm ³ / 50cm ²	Böhme / 699

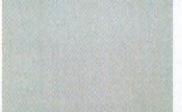
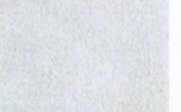
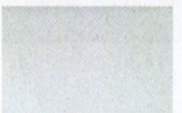




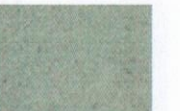














COLORS

Surface

For every colour there are three alternative surfaces; "Silk", "Bush Hammered", "Antique, Bush Hammered", "Stripped"

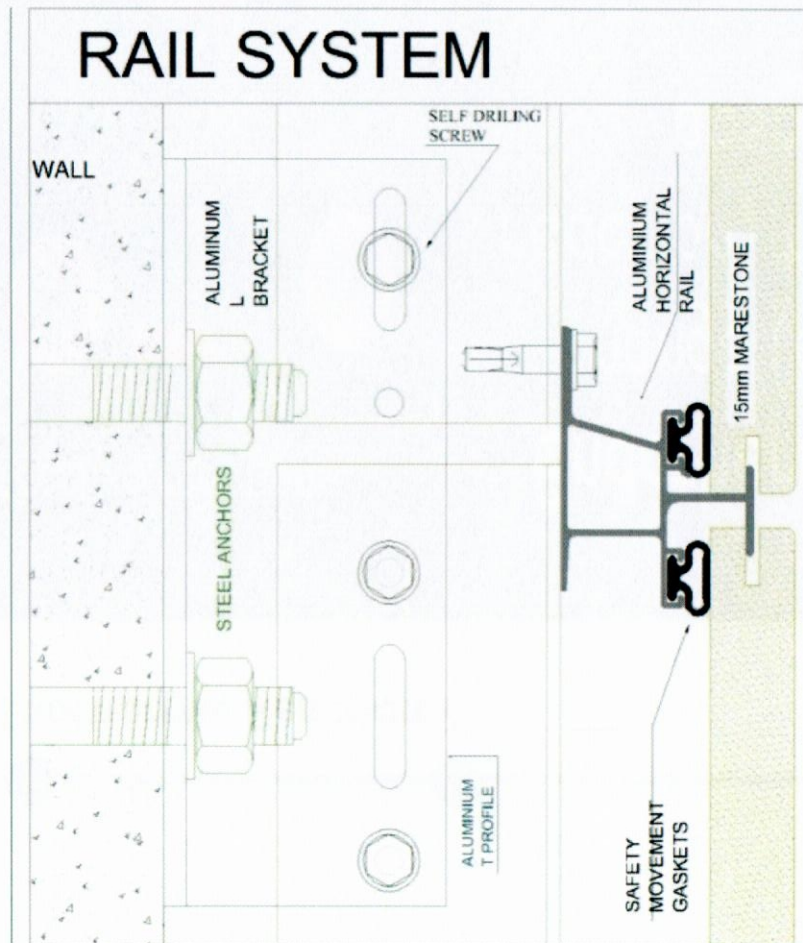
STONE TECHNOLOGIES presents
 a range of natural stone surfaces
 in a variety of colours and finishes

	Silk	Bush Hammer-Natural	Bush Hammer-Brush	Striped
Beige				
White				
Dark Beige				
Portland				

Indiana				
Light beige				
Gray				
Black				
Brick				
Pale Brick				
Andesite				

FIXING DETAILS

Mechanical back frame consist of aluminum brackets and aluminum T and L profiles according to the needs of the design.



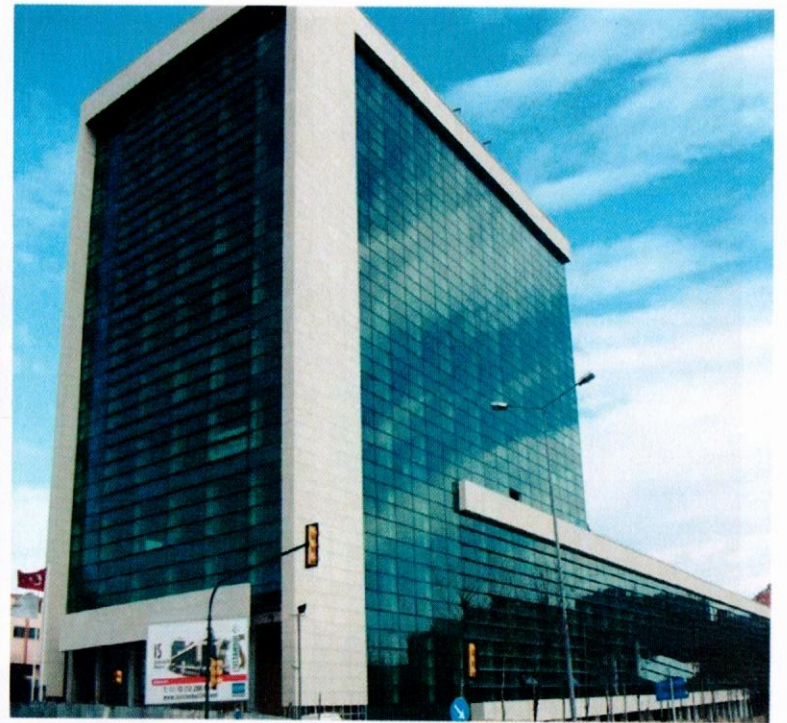
PROJECT REFERENCE
MARESTONE

FOUR SEASONS HOTEL BAKU, AZERBAIJAN



PROJECT REFERENCE
MARESTONE

IS ISTANBUL OFFICE COMPLEX , TURKEY



PROJECT REFERENCE
MARESTONE

BAKU BOULEVARD HOTEL , AZERBAIJAN



PROJECT REFERENCE
MARESTONE

VEGAS II SHOPPING MALL MOSCOW, RUSSIA



PROJECT REFERENCE
MARESTONE

JW MARRIOTT HOTEL BAKU, AZERBAIJAN



PROJECT REFERENCE
MARESTONE

TERRA CITY SHOPPING MALL TURKEY

