



Housed in an ultra-modern building covering 85,000 square feet, ThermoStone is manned with skilled & dedicated personnel engaged in product, plant, and technology development, and is well equipped with state of art facilities.

Thermo Stone (Fze) is a specialized manufacturer and exporter of ThermoCon Panel™, Thermo Board™ & FlexStone™ Sheets. The brand name “Royal Paints®” deals with decorative paints and is manufactured under the license of Thermo Stone (Fze). It caters to the Middle East, Africa, US, and Europe markets. The factory is located at the Sharjah Hamriyah Free Zone which has a superior geographical location offering convenient air, sea, and land transportation.

This unique and innovative product that we have developed and designed supports the green movement by improving the safety of homes, places of work and increasing the life of the consumer’s investment. While designing and constructing the Products that we manufacture, our research and development team made sure that the raw materials used in the construction of the products would contribute to a positive impact on the environment we live in.

## Why Should I Use Flex Stone Sheet ?

- As it is Light in weight (10 kg / m<sup>2</sup>) the Structural load on the project is reduced to a great extent.
- Due to its flexibility features it can be used around round columns .

# Flexstone



FX-ST210

FX-ST211

FX-ST212

FX-ST213



FX-ST209

FX-ST215

FX-ST208

FX-ST207

FX-ST214

Natural Flexible **Sandstone** Sheet - Colour Shades



FX-GR310



FX-GR302



FX-GR307



FX-GR309



FX-GR305



FX-GR303



FX-GR304



FX-GR308



**Natural Flexible Granitestone Sheet - Colour Shades**

# Flex Stone Sheet

## Natural Flexible Stone Sheet



**THERMOSTONE** FZE  
*'The Green Building technological company'*

### Generic Description

:Sandstone & Granite-Like Stone are made in Flexible sheet form by a process of fusion between Natural stone aggregates and organic materials. During the process of fusion, fibrous tissues are sandwiched between the stone aggregates & organic materials. The controlled temperature and pressure gives the Stone sheet the flexibility and textured designs.

### Features and Advantages

- As it is Light in weight (10 kg / m<sup>2</sup>) the Structural load on the project is reduced to a great extent.
- Due to its flexibility features it can be used around round columns .
- Quick & Secure fixing, thus reducing labour cost and time duration.
- The high impact & crack resistance feature of the product makes it tough and durable for a long period of time.
- A layer of Anti-static silicon coating, protects the product form dust, water drop and carbon marks.
- Incorporation of ceramic elements prevents the Stone sheet from Fungal and Salt attacks thus making it suitable to be used on seaside projects.
- Environmentally friendly as it generates no dust or noise pollution while cutting. Can be cut by heavy duty blade.
- Easy handling and less storage space required on site .
- An excellent product for renovation of projects as it does not add much weight to the existing structure.
- When combined with our TCP & TB Board the product can be used directly on block works.
- Easy mix and match of colours and groove design.
- No mechanical fixing required if fixed directly on plastered surface and smooth concrete

### Size availability

#### :Flexible Sand Stone Sheet

Standard size            60 x 120 cms  
Cut to order size       30 x 60 cms, 30 x 90 cms, 60 x 60 cms.

#### :Flexible Granite Stone Sheet

Standard size            60 x 120 cms  
Cut to order size       30 x 60 cms, 30 x 90 cms, 60 x 60 cms.

## APPLICATION DATA

### Surface application

Surface should be solid and free from dirt, grease, oil and foreign matters. Moisture content of not more than 7 % and PH value of less than 10 % is acceptable on the surface before fixing the stone sheets. External and Internal corner must be prepared with high accuracy.

### Grooving

Groove lines must be designed and specified in the drawing by an architect before the application schedule

### Priming

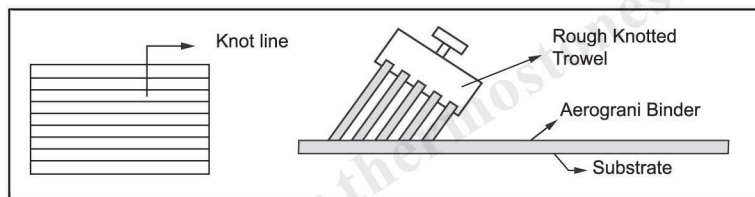
Apply one coat of Aerograni Sealer with roller or brush or spray before fixing of the sheets. (Coverage - 0.15 - 0.20 kg m<sup>2</sup>, Drying time - Over 2 hrs at 20 °C, 65 % RH.)

### Inking

Compare the size in drawing and actual object. Compare the divided size in drawing an actual object. Divide vertical line with plumb or transit. Apply inking for the part of stone sheet and groove width with scale or tape measure or equivalent.

### Adhering

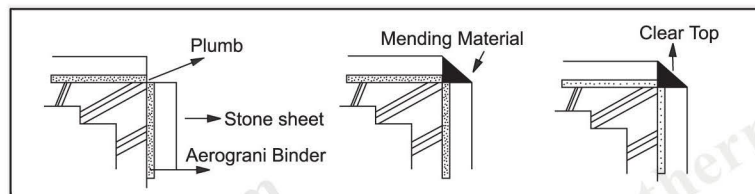
The Stone Sheet must be always adhered to the surface of external corner first prior to other parts. Apply Aerograni Binder with rough - knotted trowel equally on the rear surface of the sheet. ( Coverage - 1.2 kg - 1.4 kg m<sup>2</sup> )



### External Corner

#### : Granite Type

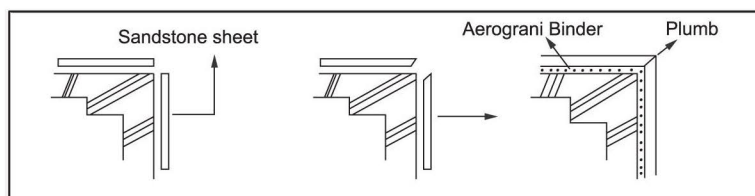
Cut the surface and grind at a right angle in accordance with the shape and the size of the corner. Adhere the sheet so prepared adapting to the corner line with plumb. After adhesion is finished mend the V-groove with mending material by means of metal trowel or spatule. After curing, sand down the mended corner and apply clear coat.



### External Corner

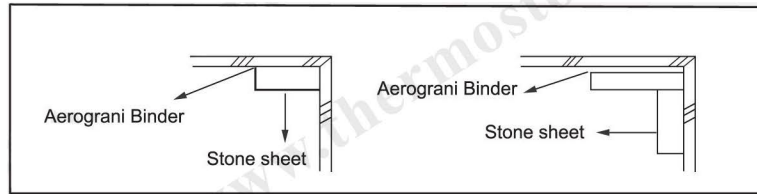
#### : Sand Stone Type

Cut the sheet into two pieces and sand down both sections at angle of 45 °C to fit each other. Adhere the sheets so prepared adapting to the corner line with plumb.



### Internal Corner

For both Granite & Sandstone Type, adhesion applied by thrusting the sheet at the end.



### Flat Surface

For both Granite & Sandstone type, adhesion applied by making a gap or space between the sheet and the substrate. Suppress Aerograni Binder stuck out over the sheet with a spatula to make it flat. the finishing touch to be followed with a moisten brush suitable for the groove width.

### Storage

Keep the cardboard box container on pallet dry and do not expose to the rain.

Copyright © 2017 by ThermoStone Fze

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the publisher. For permission requests, write to the publisher, at the address below.

For more information, please feel free to contact the following office

THERMO STONE FZE,  
PO Box:41838,  
Sharjah Hamriyah Free Zone,  
Tel : ++971 65260646,  
E mail : info@thermostones.com

### Note

The above technical information / values are given to the best of our knowledge based in our in-house laboratory tests carried out as per the International standard and our practical experience. However due to different applications, site conditions, surface strength and constraints which are beyond our control, we are not liable for any circumstances, due to or relating to the application or usage of our product. We serve the right to alter or modify any data given without any prior notice, therefore it is best to contact us should you have any doubts or enquiries