Silbonit Fibercement

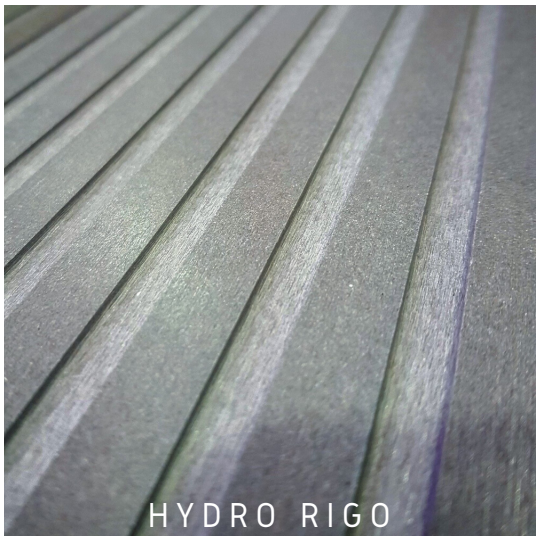
HYDROPHOBIC FIBER CEMENT

HYDRO

HYDRO SURFACE

HYDRO SANDBLASTED

HYDRO STRIPES


HYDRO RIGO

HYDRO GROOVES

STANDARD DIMENSIONS:
2500 X 1200MM - 3000 X 1200MM - 3050 X 1200MM
2500 X 1250MM - 3000 X 1250MM - 3050 X 1250MM

THICKNESS:
8MM - 10MM - 12MM

PANELS ARE TESTED TO CAN ULC S114 & ASTM E136

010 SUPER WHITE

011 STONE

020 NATURAL

030 GRAY

031 BLACK CHALKBOARD

040 YELLOW

050 GREEN

060 RED

061 TERRACOTTA

070 EARTH BROWN

080 DESERT

081 PARCHMENT

090 BLUE

WWW.SIL-LASTRE.COM

FOR MORE INFORMATION, PLEASE CONTACT
RIEGER ARCHITECTURAL PRODUCTS
WWW.RAPL.CA OR INFO@RAPL.CA

Cementitious panels present a non-uniform color, as the natural pigments can vary. The colors shown above are for reference only.
All colors may not be available in all finishes, please consult your local representative for more information.

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PRODUCT GUIDE

GENERAL INFORMATION

APPLICATIONS

SILBONIT cladding sheets are specially designed for external cladding, semi-exposed and external lining applications. Applied on a ventilated facade, SILBONIT fiber cement products are a strong, durable and lightweight, which provides an attractive cost-effective solution for a wide variety of projects.

CHARACTERISTICS

SILBONIT cladding sheets belong to the new generation of asbestos free compressed and stabilized flat sheeting reinforced with mineralized cellulose fibers. The sheets are non-combustible and resistant to rot, fungus and vermin attack. Due to the nature of fiber cement products there will be variations in the color as well as small imperfections ranging in size from a pin point to a dime. The color variations may be apparent within each board and from board to board. The color variations in the surface and natural aging of the panel will develop further as time passes.

COLOR AND FINISH

SILBONIT cladding sheets are available in many beautiful colors. It is important to note that the non-uniformity and the presence of little imperfections are considered a common characteristic.

MAINTENANCE

SILBONIT cladding sheets require no regular maintenance to uphold their strengths, qualities and functions. When using SILBONIT, please remove any dirt, dust, fingerprints, etc. from the face of the panel after fabrication and installation. Over time, if the panels do get dirty, a simple wash down with water and a mild detergent is usually sufficient.

WARRANTY

SILBONIT will provide a 10 year warranty to cover manufacturing defects compromising the compliance with EN 12467 regulations Class 5, category A, level 1. The warranty will not cover natural differences or changes in color tones.

PREPARATION

INSPECTION OF MATERIAL

It is the recipient's responsibility that all the materials are not damaged and in accordance with the order submitted. Any damages must be immediately documented in writing on the bill of lading while the delivery company employee is still present. Photos are required at that time for further documentation of damage.

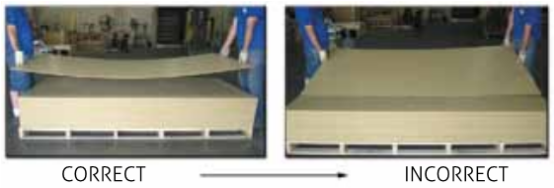
STORING THE MATERIAL

The material must be kept in a dry, well ventilated area, raised off the ground, and on a dry level surface at all times. Extended storage (more than two weeks) must take place in a dry ventilated building, and the plastic wrap should be removed. The panels must always be stored raised off the ground with supports at a maximum of 19", and always stacked with the edges directly over each other. The accessories should also be protected against dirt and precipitation. Flat panels that get wet due to precipitation or condensation will precipitate calcium/efflorescence, and may result in permanent damage that would not occur when properly stored or in proper use. NEVER cut, drill, or install when the material is damp or in damp conditions.

HANDLING THE MATERIAL

The material must be handled with care as to not damage the face, the corners or the edges. While handling the material you must also take care as to protect the panels against dirt and moisture as this will damage the material. Do not stack wet or dirty boards, as this will result in permanent damage that would not occur if properly handled.

The sheets must be lifted and not dragged off the stack, as this can result in damage to the material. The sheets must be carried by two people, and by the edge to reduce the strain on the material and the workers.



ACCESSORIES

EPDM rubber strips must always be used on the supporting structure of wood or steel furring and are applied as a direct base for the material. You may staple or use a spray adhesive to attach the EPDM rubber strips to the furring channel. These strips not only help to protect the furring, but also aid in the movement of our material.

The panels may be secured to the supporting structure using exposed stainless steel screws or rivets. The screw spacing will be determined by local engineering. Do not over tighten the screws! Over tightening screws will restrict the movement of the panels, which will crack the panels.

SAFETY

Acute over-exposure to dust may cause mild irritation and inflammation of the respiratory tract and organs. Use approved respiratory equipment when airborne dust is present. If irritation occurs, remove from the area and seek fresh air. If condition persists, seek medical advice. You may experience a mild eye discomfort caused by the dust. Always wear safety goggles when cutting or drilling the material. If irritation occurs, flush with fresh water, and seek medical attention if condition persists. Prolonged skin contact may cause a mild irritation. You should always wear gloves when handling the material. If an irritation occurs, wash hands thoroughly with water. Although SILBONIT contain no asbestos, you should choose a working method which minimizes dust during installation.

FABRICATION

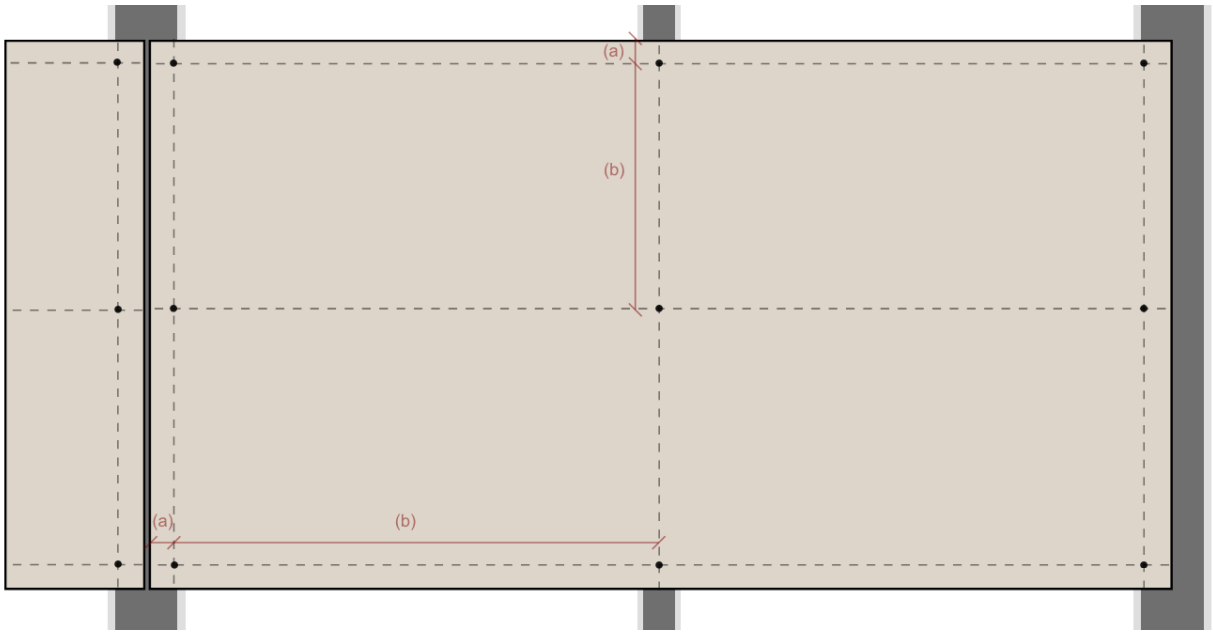
CUTTING THE MATERIAL

Fabrication is to be completed with a diamond blade to ensure accurate lines and measurements. This blade leaves a sharp edge with minimal chipping. The fabrication must be done with the finished side facing up. If larger holes are needed use a diamond tipped hole saw. For cuts that don't require a sharp edge, jigsaws with a carbide tip are acceptable. It is imperative to only work with dry material and in dry conditions. Working with damp panels or in damp conditions will cause dust from the fabrication to "burn" into the panel and will leave permanent stains. Failure to follow these instructions will void any warranty claims.

DRILLING THE MATERIAL

The holes must be pre-drilled with the finished side of the material facing up using carbide tipped drill bits. The holes must be drilled larger than the shaft of the screw to allow for movement of the panel. Only work with dry material and in dry conditions. Working with damp material or in damp conditions will cause the dust to permanent "burn" into the material and leave permanent stains. When using steel furring strips there must be one fixed point near the center of the board with a 7/32" drill bit. The other dilation points will be over sized using a 9/32" drill bit.

The sheets must be pre-drilled at a distance of 35-70mm from the panel edge (a). Intermediate supports points must be no more than 600mm for vertical applications, and 400mm for soffit applications (b). Ensure the substructure and fastening plan is approved by local engineering firm.

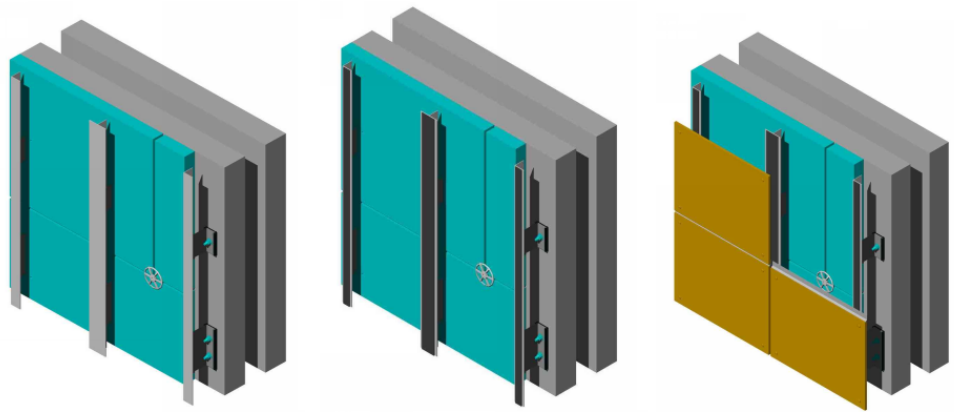


COMPLETION

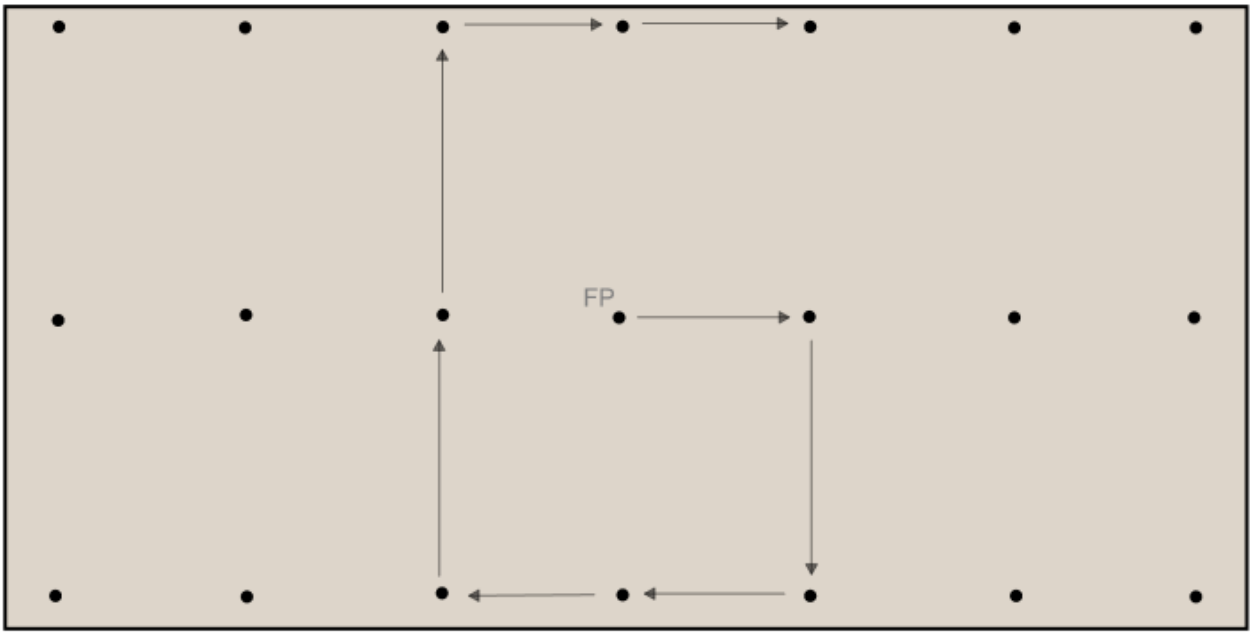
When the fabrication is complete check to ensure the cladding is clean and without damage, defects, or omissions. It is important that you remove any dust from the face of the panels before installing to avoid the dust from permanently burning into the material.

INSTALLATION

SEQUENCING



The screws are installed in a spiral manner. Apply the center screw (fixed point) first, then continue in a clockwise direction.



As installation progresses, ensure all areas are dust free. If required, complete a final cleaning of the panels.