

FOAMKORE-FR SPECIFICATIONS

PRODUCT DESCRIPTION

Foamkore-FR is a ASTM E 84 Class A product that consists of a high density Magnesium Oxide Board face that is non-flammable and non-combustible combined with a lightweight polystyrene core to create a structural balanced lightweight non-combustible panel.

PRODUCT CHARACTERISTICS

Foamkore-FR is constructed by capturing a lightweight polystyrene foam core with higher density face panels to provide a strong lightweight panel with structural integrity. The core product is a lightweight extruded polystyrene foam (XPF) that is closed cell in structure and provides a consistent and very uniform surface to process. The sandwich panel construction method incorporates the use of thinner outer panels bonded to a thicker lighter core to achieve a very versatile strong lightweight panel.

FIRE RATING

Foamkore-FR has been tested in accordance with ASTM E 84 and achieved the following results:

Flame Spread 0
Smoke Development 0

This Class A result can allow the use of Foamkore-FR in applications where codes dictate these requirements are necessary.

PANEL DIMENSIONS

Foamkore-FR is available in standard nominal 4' x 8' size. It is also available with special order in a nominal 4' x 10' size. The product can be produced in any thickness from 3/4" up to 3". Certain other special sizes and options may be available by contacting the factory for availability.

ATTACHMENT METHODS

Foamkore-FR, due to its rigid construction, may allow the ability to use conventional attachment methods. The use of glue, staples, nails and other similar fasteners will allow the panel to be physically and structurally attached to other suitable materials. The big advantage with Foamkore-FR is the reduced weight of 60% or more from conventional panels. This reduced weight can allow for usage where heavier panels would be prohibited therefore making it an excellent material for those areas where weight and fire rating is a concern.

CONDITIONING AND STORAGE

Proper conditioning and storage is extremely important with all products. Foamkore-FR should be stored on a flat uniform surface away from direct contact with the floor to allow for proper air circulation. A cover sheet is recommended to help maintain uniform conditions. Some weight is desired to keep the cover sheet tight during storage. If panels must be stored in a vertical position make sure this is done without excessive weight to either side.

LAMINATING METHODS

Most face materials can be easily adhered to the Foamkore-FR panels. The addition of balanced materials is recommended. It is possible to cold or hot press material but reduced pressure must be used. A maximum pressure of 20psi is recommended for these applications. An actual test should be used to determine what is best suited for the specific material you may want to apply.

EDGE TREATMENTS

The solid foam edge on Foamkore-FR provides many user options when needing to treat the edges.

Edge banding: An edge band can be applied by use of an automated edgebander or by hand with a contact or PVA adhesive. When using automated edge banding equipment, proper adjustments and tests should be made to provide the desired results. Thicker band material is recommended to provide a more durable finished product. If using contact adhesives it must be suitable for polystyrene foam.

Outer Edge Band: Outer wooden bands can be attached to the **Foamkore** by use of PVC glue. This will allow for more edge machining options.

FACTORY EDGE TREATMENTS

Interior Solid Band (Optional): An interior solid band of wood, MDF or PB can be factory provided as required. This will require drawings and additional information to ensure that desired component part can be constructed properly. The factory should be contacted for more information about this process.



FOAMKORE-FR CLASSIFICATIONS AND DIMENSIONS

<u>Item #</u>	<u>Face Material</u>	<u>Thickness</u>	<u>Nominal Size</u>	<u>Wt/SF</u>
FK75FR12	1/8" mo	3/4"	4 X 8	1.34 lbs
FK100FR12	1/8" mo	1"	4 X 8	1.38 lbs
FK125FR12	1/8" mo	1 1/4"	4 X 8	1.41 lbs
FK150FR12	1/8" mo	1 1/2"	4 X 8	1.44 lbs

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