

Door Construction Materials

Intumescent materials play a vital role in modern fire door constructions. Lorient offers a range of products, all with proven performance – and continues to develop new solutions to offer increased efficiencies for our customers!

Tecnofire® 2006

Specifically designed for use with conventional edge banding machinery, this flexible intumescent material is supplied in coils for easy and efficient application during the door manufacturing process.

Tecnofire® 2006 consists of a graphite compound, in a matrix of epoxy resin, reinforced with mineral fibers. The material is resistant to all but the most aggressive of chemicals: it is unaffected by common acids, alkalis, salts and organic solvents.

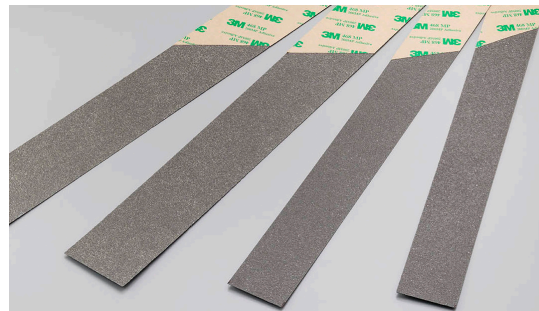
Available in a standard thickness of 0.65mm, Tecnofire® 2006 offers an expansion ratio of approximately 22:1, dependent on conditions, from a temperature of 392°F.

Different roll widths can be provided, suitable for specific customer applications - please contact us to discuss your requirements.



Tecnofire® 2000

Tecnofire® 2000 is a rigid intumescent sheet material, available in standard sheet sizes of 49" x 97". It is also offered cut to size, to customers' individual requirements. Available in standard thicknesses of 0.65mm or 1.3mm, Tecnofire® 2000 offers the same intumescent properties as Tecnofire® 2006.



Palusol® SW BOARD

Palusol® SW BOARD by BASF SW is a ready-made laminated board material, available in various sizes that can be used to manufacture both flat and raised fire resisting panelled doors. Available with 20min / 45 min / & 90 min fire rating.

MSDS available upon request.



Palusol®

This sodium silicate based material offers consistent performance qualities, proven in many hundreds of fire tests worldwide. Activating at approximately 220°F, Palusol® offers an expansion ratio of between 5:1 and 12:1, based on original material thickness of 2mm or 4mm, and dependent on conditions. Available in standard sheet sizes of 43" x 83", or offered cut to size, to customers' requirements.

For more information on any of our door construction materials, or to discuss your specific requirements, please contact us today.

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