

**LORIENT**

North America

TF65000/TF13000
"Tecnofire 2000®"

Spec Sheet

Last revised: January, 2003

Material Composition:

Tecnofire 2000® intumescent material consists of a graphite compound in a matrix of epoxy resin, reinforced with mineral fibers and molded into a rigid sheet.

Colors:

Tecnofire 2000® is available only in its natural black color.

Size:

Tecnofire 2000® is available in full-sheet dimensions of 48" x 96", or cut-to-size pieces, to individual order. Material is available in either 0.65mm or 1.3mm thickness. The material is rigid and all items are shipped flat, not rolled or coiled.

Temperature Exposure:

Tecnofire 2000® will remain stable over a wide temperature range.

Cold:

Exposure to extreme cold, to -30 degrees F, will not detrimentally affect the material, except that it will become more brittle.

Hot:

Exposure to temperatures up to 300 degrees F, will not detrimentally affect the material. The material is designed to expand vigorously (intumesce) under continuous exposure to temperatures above 392 degrees F.

Chemical Exposure:

Tecnofire 2000® material is resistant to all but the most aggressive of chemicals. It is unaffected by common acids, alkalis, salts and organic solvents.

Expansion Characteristics:

Products containing intumescent materials will expand at a variety of rates and temperatures, depending on their chemical composition and other factors. Environmental conditions, the placement of the product and the energy of the heat source may influence the speed or magnitude of the intumescent reaction. The following information serves as a guideline.

Temperature for Expansion:

Approximately 392 degrees F, depending on conditions

Rate of Expansion:

Approximately 22:1, based on original thickness of either 0.65mm or 1.3mm, and depending on conditions

Moisture Resistance:

Tecnofire 2000® exhibits excellent resistance to moisture.

Special Handling Requirements:

Tecnofire 2000® should be stored flat in normal temperature conditions. The material is chemically stable and does not have a limit on shelf-life.