Fire resistant
SYSTEMS

The purpose of the Fire Resistant Systems developed by POLYNT PROCESS is to delay or slow the combustion **of naturally inflammable resin glass laminates.**



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FR SYSTEM

The Fire Retardant systems developed by POLYPROCESS have low flammability and reduced smoke toxicity. They are formulated from aluminium hydroxides.

IFR SYSTEM

The Intumescent Fire Retardant systems developed by POLYPROCESS have improved passive fire protection. Formulated from intumescent fillers, these substances are activated by heat to expand and form a porous, carbonaceous char that is able to thermally insulate the underlying composite and inhibiting the production of flammable volatiles at the same time.

RATINGS

NF 92-501 French fire resistance standard for construction materials

NF 16-101 French standard determining smoke production

M1/F0	*POLYFIRE FR18 + POLYFIRE PO FR518 RESIN*
M2	*GCIG XMA AE2 + POLYFIRE PO FR531 RESIN*
M3	*GCIG XMA AE3 + ORTHOPTHALIC CLEAR RESIN*

UL94 US Standard for devices and appliances

V0	*GCIG FR21 + POLYFIRE PO FR531 RESIN*

EN 45545 Railway applications, in accordance with R1, R7, R17 requirements

HL2	*POLYFIRE IFRV R Series + POLYFIRE SPI IFR R3000 RESIN*
HL3	*POLYFIRE IFRV R Series + POLYFIRE PO FR531 RESIN*

R118 Construction of M3 category vehicles classified II or III

Annexes 6,7 & 8	*POLYFIRE IFRV R Series + POLYFIRE SPI IFR R3000 RESIN*
Annexes 6,7 & 8	*POLYFIRE IFRV R Series + POLYFIRE PO FR531 RESIN*





THE MAIN OBJECTIVE IS SAFETY

FR and IFR systems display low flammability and reduced smoke toxicity, thus preventing fire propagation and intoxication by vapours and smoke.







0% HALOGENS ANTIMONY

Respecting the company's QSE policy, the Fire Resistant Systems do not use technologies based on halogens (chlorine and bromine), or antimony.



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High **performance** polyester **products**

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