



INTUMAX®LAY41FL **Patent Pending**
One Component Latex Flame Retardant and Intumescent Coating

INTUMAX®LAY41 is a unique one component latex fire retardant - intumescent coating based on our proprietary non-halogenated phosphate technology. All of our phosphates are manufactured in house for our exclusive use.

When exposed to heat and/or fire, INTUMAX®LAY41 forms a continuous, dense char foam that protects products from both heat and flame. Additionally, INTUMAX®LAY41 offers very low smoke generation during char formation. We have achieved an equivalent Class A flame spread rating in house. The active ingredients in INTUMAX® products are not soluble in water and will not leach out over time.

INTUMAX®LAY41 is recommended for use as a coating for wood, composites, plastics or metals. The viscosity is easily reduced by the addition of water. Pigments, anti-settling agents, and other flame retardants may also be incorporated.

INTUMAX®LAY41 can be brushed on, rolled on, or sprayed on. 2 coats are recommended at a minimum. Wait minimum 30 minutes between coats.

Specifications:

%Solids	60%
Working life @ 25°C	1 hour
Tack free set time @ 25°C	12 hours
Full Cure @ 25°C	48 hours

Test Results:

UL 94 (over polyethylene)	V0
UL 94 (over polypropylene)	V0

This char foam rises in 10 - 20 seconds. Once this char layer forms, smoke generation is almost entirely eliminated, the burning ceases, and coated surfaces are thermally insulated. The char foam formed is stable to temperatures of 1500 C.