

INTUMAX®EP-200C*

* Patent Pending

Clear Epoxy Flame Retardant and Intumescent Coating

INTUMAX®EP-200C is a unique two component epoxy 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®EP-200C forms a continuous char foam that protects products from both heat and flame. The active ingredients in INTUMAX® products are not water soluble and will not leach out over time.

INTUMAX®EP-200C is recommended for use as a base resin for specialty coatings. The viscosity is easily reduced by the addition of solvents. Pigments, antisettling agents and other flame retardants may also be incorporated.

Specifications:

%Solids	100%
Mix Ratio (A:B)	100:33
Working life @ 25°C	5 hours
Tack free set time @ 25°C	12 hours
Full Cure @ 25°C	72 hours

Typical Properties

5 mil thick coating

Flammability Rating (UL94)	V-0
ASTM E-84 Flame Spread	10 (Class A)
ASTM E-84 Smoke Generation	10 (Class A)
Glass Transition Temp	70°C
Hardness Shore D	72
Peel Strength	6.5 lbs/inch
Elongation to break	12%
Char height	over 1/4 inch
Char initiation temp	220°C

Component Specs	Part A	Part B
Viscosity(cPs at 25C)	1930-2010	210 - 280
Specific Gravity	1.29-1.31	0.9-1.1
Weight / gal	10.8-11.2	8.2-8.6



This char foam forms in 20 - 40 seconds. Once this char layer forms, smoke generation is almost entirely eliminated, the burning ceases, and coated surfaces are insulated.

This coating and its components should be protected from freezing during shipping and storageq. Keep above 5C.