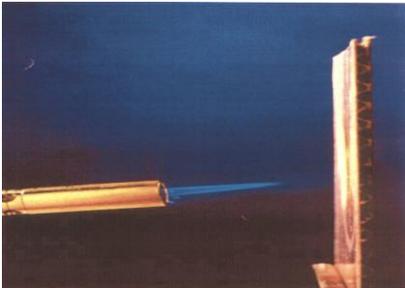
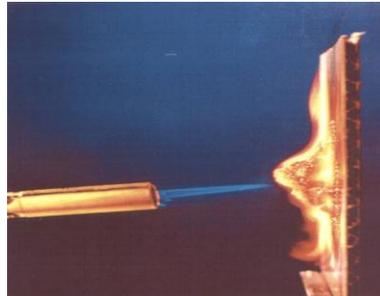


**Leading Edge Intumescent Spray-On Paints and Coatings
for
Applications Requiring Low Smoke and Fire Safe Materials**



Flame Application time = 0 seconds
Flame temperature around 3000°F.



Flame Application time = 4 seconds
Foam barrier is rapidly deploying,
upon fire activation.



Flame application time = 8 seconds



Flame application time = 12 seconds



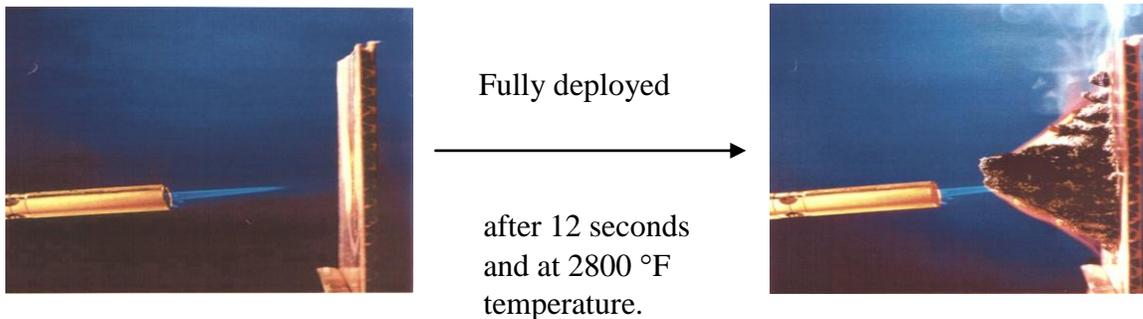
Flame application time = 10 minutes

After 10 minutes of direct flame application, the cardboard surface has not ignited due to rapidly deployed, fire activated, foam barrier. Equally important, very little smoke has evolved.

Application

Broadview Technologies, Inc., a New Jersey based producer of organic chemical products, has developed a novel class of nitrogen and phosphorous containing flame retardant materials, which are based on catalyst activated phosphate technology. In the event of fire and when incorporated into a coatings compound, these activated phosphates rapidly create a strong, thick, thermal insulating char barrier which separates the treated substrate from the fire source. Substrates may consist of steel, aluminum, brass, wood, cardboard, plastics, textile fabrics, polymeric foam structures among other building and construction materials.

“Intumax” is a patented trademark applying to the family of Broadview flame retardants and coatings products. International composition of matter patent recognition was received in 2004 for this efficient, catalyst activated technology.



Benefits

- Easy to apply with one coat spray-on application and minimal preparation.
- Low application levels (2-5 mil thickness) adequate for fire protection.
- Intumax coatings are safe, non-toxic, and environmentally friendly materials.
- Broadview flame retardants do not contain halogens or heavy metals.
- Tenacious adhesion of the flame retardant bonds the coating to substrate.
- Minimal smoke is evolved because of the flexible insulation foam char.
- No corrosive off gasses, such as hydrogen bromide or hydrogen chloride.

Commercially sold as: **INNOVA-FR 41 AG® (water based); & INNOVA-FR 115 SE® (epoxy based)**

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