

UNIVERSAL ENTERPRISES

FIRE-X 401

**WATER BASED FIRE
INTUMSCENT PAINT**



TDS/FX401/020513

Technical Data Sheet

Product Description:

A high performance, high build, water based, fire retardant intumescent coating, designed to be used on Masonry surface, Wooden structures, Gypsum Boards, False ceilings requiring protection from fire hazard. Typically applied on site, **Fire-X 401** will achieve the desired protective thickness in two coats, as required. Functionally, the product has excellent mechanical properties, and can provide fully fire/flame barriered plastered/concrete or wooden structures to withstand flame temperatures of around **800°C for two hours in two coats.**

Recommended Use:

To assist in the preservation of structural integrity of concrete, plastered and wooden structures in a cellulosic fire. Typical application areas are army bunkards, wooden furniture's/ staircase, false ceilings, factories, server rooms, hospitals etc.

Physical Properties :

Color	Off White
Viscosity (B4)	90-95 secs
Solid Content	55%
Specific gravity	1.2+/- 0.03

Thickness:

Thickness of a single coat of **Fire-X 401** is around **70-75μ.**

Coverage:	Theoretically, 1 Kg of Fire-X 401 covers up to 30-35 sft
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Drying time:	Surface dry45mins Hard dry 8 hrs
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Surface preparation:	All surfaces to be coated, should be clean, dry and free from loose particles and contamination. The substrate should be clean and Fire X 401 can be applied directly over any decent water based primer, and it should be over coated with two coats of Fire-X 401 to achieve the desired protection.
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Application:	Fire-X 401 is a water based material which should be mixed with water to form a uniform mixture by mixing thoroughly with a stirrer. Spray and Brush application is recommended and this product is not designed for Dip application.
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Clean Up:	All tools, spray guns etc should be cleaned up with water after application of Fire-X 401 .
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Storage:	Typical shelf life of Fire-X 401 is 12 months .
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Disclaimer: The information's given in this data sheet are true to the best of our knowledge and based on our lab trials and should not be purported to be authentic, as the methods and areas of applications differ. The user should conduct his own trials and applications before using. The manufacturer is not responsible for any loss or damage arising out of the use of the product.

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