



ISO 9001 Certified Company  
"TIME TESTED PRODUCTS"  
SINCE 1972

**Zahabiya®**

**FlameX FRX-10/65**

Intumescent Flame Retardant Coating

Zahabiya FlameX FRX-10/65 is a high performance, intumescent flame retardant coating which can be applied on various kinds of substrates including combustible cellulosic materials such as wood, MDF sheets, ply-wood sheets etc. for indoor applications. The product can also be applied with satisfaction on other construction materials e.g. concrete or plastered surfaces, steel structures, steel reinforcements, gypsum boards etc. to increase their fire resistance properties. This intumescent flame retardant coating **swells up on the exposure to direct fire**, creating a flame retardant barrier between the fire and the substrate, not allowing the flame to reach the substrate and propagate flame, thus providing extended time for fire extinguishing. This makes it an excellent product to be used around openings where the duct passes through a wall, ceiling or MDF Partitions. **Also applicable on cable trays, power cables etc.**

- Excellent flame retardant properties.
- Swells when contact with fire.
- Conforms to UL-94 VTM-0 Category.
- Practically "0" flame spread.
- Can resist upto 2 hours of direct flame.
- Fungi, mildews & other micro-organisms resistant.
- Hard sandable coating for better finish.
- Ideal for high risk rigid cellulosic substrates.

**COLOUR:**

**ODOUR:**

**CONSISTENCY:**

**SOLID CONTENTS:**

**DENSITY:**

**DRYING:**

**SERVICE TEMPERATURE:**

**FLAMMABILITY:**

**Wet Flammability**

**Flash point**

**Fire Resistance**

**Flame Spread**

**COVERAGE:**

**CLEANER:**

**APPLICATION:**

**SHELF LIFE:**

White, Grey. Other colours may be available upon request, for bulk orders.

Slight Resinous smell in liquid state. The product is odourless upon curing.

Paint like.

Around 76% (W/W) solids (ASTM D1644).

1.45 kg/litre on average (20°C) (ASTM D1475).

Dries at room temperature and cures further with increase in temperature. Set to touch within 1 hr and dries within 4 hours (ASTM D1640).

Usable between 10°C to 60°C (substrate's surface temperature).

Fire retardant when dried.

Non-flammable (ASTM D93).

Not Applicable.

Classified as VTM-0 (self extinguishes within 10 sec with no dripping flaming particles) as per UL94 Standard. Also tested to resist upto 2 hours of continuous flame when applied on MDF sheet panel at 0.5mm thickness (in-house testing).

"0" flame spread as coating didn't catch fire when tested as per UL94-HB.

Coverage depends upon the thickness of coating applied. For 0.5mm thick coating (wet), the product covers around 10-12 ft<sup>2</sup> on a smooth, non-absorbent surface. *Recommended thickness is around 1-2mm but should be at least 0.5mm.*

To clean the dried film, use solvent naphtha/petroleum spirit.

FRX-10/65 can be applied by brush, roller or trowel application. If applied through brush or roller, the product may be applied in multiple coats to obtain the desired film thickness. Before application, the surface should be dry, clean, non-greasy and free from any loose particulate matter. Please note that the product is water based and air drying. For multi coat application, a minimum inter-coat period of 4 hours should be maintained for proper drying of the previous coat. Any flame retardancy test should be performed at least after 48 hours of final coat.

**Note:** It is advisable to conduct compatibility tests on the surfaces to be applied on and number of coats needed for the perfection of jobs.

Keep in the original containers airtight in well ventilated place at around 25°C. Use within 15 months of manufacturing date.



**IMPORTANT NOTICE:**

The Information & Data contained herein are correct to the best of our knowledge, tests and experience. These are presented in good faith to the users. The recommendations and suggestions mentioned are made without guarantees or representations as to the results. The Consumer should satisfy himself as to the suitability of the product for the intended purpose and use. WE ASSUME NO LIABILITY for damages of any kind and the user accepts the product 'as is' and without any other warranties, expressed or implied. Our warranty is limited to the replacement of so proved defective Zahabiya's original sealed product only, provided used within shelf life as supplied originally.



**WINNER BRANDS OF THE YEAR AWARD FROM 2009 TO 2024**

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