

# Zahabiya

## Flame Retardant Coat FRC-10/60

Zahabiya Flame Retardant Coat (FRC-10/60) is a polymerised, fire retardant, non-flammable adhesive cum sealant, exceptionally suitable for the purpose of fire protection and insulation on cellular or porous surfaces or where fire resistance or durability are required. Ideal for coating on cloth, timber, hard board, chip board, block works, concrete, metal and insulation sheets. In packaged form and when applying this is a "Human Friendly/ Environmentally Acceptable" product. In the Centrally Air Conditioning jobs, used as the fire retardant adhesive cum vapour barrier coating over the Canvas Cloth for pasting various layers together and as the exterior protective paint for the protection of cloth & duct jacketing from the harmful atmospheric effects.

On perfect drying (curing) the layer formed behaves as:

- Waterproof & Vapour Barrier coating.
- Flame/ Fire retardant.
- Fair to dilute Acid/Alkali, Solvent & Oil proof.
- U/V, Weather & Temperature resistant.
- Flexible, Non-Cracking & Abrasion resistant.
- Fungi, Mildews & other Micro-organism resistant.
- Non-Toxic, Non-Hazardous & Safe in Handling. (ASTM E-160-80)
- Excellent for Indoor/ Outdoor Uses.
- Also effective in areas with over 90% relative humidity for long periods.

COLOUR:	Light gray, white, pale cream.
ODOUR:	Resinous smell in liquid state. (ASTM-D 1833)
CONSISTENCY:	Paint like.
SOLID CONTENTS:	Minimum 60% (W/V) solids (ASTM D-1644)
DENSITY:	1.18 kg/litre on average (20°C) (ASTM D-1475)
ELASTICITY:	Cured film stretches above 100% (half mm. thick)
DRYING:	Dries at room temperature and cures further with increase in temperature. Set to touch within 6 hours and dried after 24 hours. The dried film is slightly tacky. (ASTM D1640)
SERVICE TEMPERATURE:	Usable between 10°C to 70°C, being the temperature of surface to be coated on. The cured sealant resists temperature up to 280°C.
FLAMMABILITY:	Fire retardant when dried.
Wet Flammability	Non-flammable (ASTM D 93-73)
Dry Flame Spread	Less than 10 on ¼" in gypsum/asbestos cement board. (ASTM E 84).
Flash point	No flash to boiling.
Smoke Developed	Almost unnoticeable " 0 "
Fuel Contributed	Approximately " 5 "
Fire Resistance	On 2mm coating on 50mm mineral fibre batt used as a fire stop barrier for sealing penetration up to 2-3 hours in accordance to the performance requirements of BS 476 Part 20(1987).

**COVERAGE:** Varies with the porosity of surface and method of application. Normally, on smooth & slightly porous surface, ranges between 55 to 60 ft<sup>2</sup>/kg.

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

**APPLICATION:** Zahabiya FRC-10/60 can be used for the protection of:

- Cement/Concrete surfaces
- Textiles, Canvas/ Cotton cloth
- Paper Board, Chip Board & Hard Boards
- Asbestos Sheets & Wooden Planks
- Glass Wool insulations
- Thermopore, Plastics, Metals, etc.

Applied by brush, roller or mechanical spray device.

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

**SHELF LIFE:** Useable best up to 12 months from the manufacturing date, provided stored air tight in original containers as recommended in product data.



PLEASE REFER PRODUCT DATA BEFORE USE

**Disclaimer:**

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 for their guidance. 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 original sealed packed product only, provided used within shelf life as supplied/ exported originally.



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