



ISO 9001 Certified Company
 "TIME TESTED PRODUCTS"
 SINCE 1972

Zahabiya Water Shield (FR Grade) FRC-10/60 is a co-polymeric, non-flammable & **fire retardant** protective coating, exceptionally suitable for fire as well as weather protection of cellular or porous surfaces. Ideal for coating on cloth, timber, hard board, chip board, block works, concrete, metal and insulation sheets. This "**Human Friendly & Environmentally Acceptable**" product is used extensively in **Centrally Air Conditioning** 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:

- Water proof, oil proof & vapour barrier coating.
- Flame / fire retardant.
- Fair to dilute acid/ alkali.
- U/V, weather & temperature resistant.
- Flexible, non-cracking & abrasion resistant.
- Non-toxic, non-hazardous & safe in handling (ASTM E-160).
- Fungi, mildew & other micro-organisms resistant.
- Excellent for indoor/ outdoor uses.
- Also effective in areas with over 90% relative humidity for long periods.

COLOUR:

ODOUR:

VISCOSITY:

SOLID CONTENTS:

DENSITY:

VOC CONTENT:

ELASTICITY:

DRYING:

SERVICE TEMPERATURE:

FLAMMABILITY:

Wet Flammability

Flash point

FR Class:

Flame Spread

Smoke Developed:

COVERAGE:

APPLICATION:

SHELF LIFE:

Light gray. Other colours are available on bulk order.

Slight ammoniac smell in liquid state (ASTM D1833).

26 ± 2 sec - Zahn Cup No. 4 (ASTM D 4212).

Around 64% (W/W) solids (ASTM D1644).

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

0.098% or 2.76g/L (ASTM D6886).

Cured film stretches above 300% (0.5 mm thick).

Dries at room temperature and cures further with increase in temperature. Set to touch within 1 hour and dries within 6 hours (ASTM D1640).

Usable between 10°C to 60°C, being the temperature of surface to be coated on. The cured sealant resists temperature up to 180°C.

Fire retardant when dried.

Non-flammable (ASTM D93).

Not Applicable.

Classified as VTM-0 (UL 94); IBC Class A & NFPA Class A Flame Retardant (ASTM E84).

UL 94HB: Around 0.8 inch/minute.

ASTM E84: 20.

180 (ASTM E84).

Varies with the porosity of surface and method of application. Normally, on smooth & slightly porous surface, ranges between 55 to 60 ft²/kg per coat. Minimum 3 coats are advised for coating on HVAC ducts lagging cloth for effective flame retardancy & vapour barrier properties.

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.

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 25-30°C. Use within 12 months from 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 2012

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