



ISO 9001:2000
Certified Company

Zahabiya

WATER SHIELD (FR GRADE) FRC-10/60

Flame Retardant Vapour Barrier Coating

Zahabiya Water Shield (FR Grade) FRC-10/60 is a polymerised, non-flammable adhesive sealant, exceptionally suitable for the purpose of fire/flame protection on cellular or porous surfaces. Ideal for coating on cloth, timber, hard board, chipboard, 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/flame retardant adhesive and 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.

The product is:

- 1 Waterproof & Vapour Barrier coating.
- 1 Flame/ Fire retardant.
- 1 Fair to dilute Acid/Alkali, Solvents & Oil proof.
- 1 U/V, Weather & Temperature resistant.
- 1 Flexible, Non-Cracking & Abrasion resistant.
- 1 Fungi, Mildews & other micro-organism resistant.
- 1 Non-Toxic, Non-Hazardous & Safe in Handling.
- 1 Excellent for indoor/ out door Uses.
- 1 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 D1833]

CONSISTENCY:

Paint like.

SOLID CONTENTS:

Minimum 60% (W/V) solid. [ASTM D2369]

DENSITY:

1.18 kg/litre on average (20°C). [ASTM D1475]

ELASTICITY:

Cured film stretches above 100% (0.5 mm thick).

DRYING:

Dries at room temperature. Set to touch within 6 hours and dries 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:

Wet Flammability
Dry Flame Spread
Flash point
Smoke Developed
Fuel Contributed
Fire Resistance

Fire retardant when dried.

Non-flammable [ASTM D93]

Less than 10 on ¼" in gypsum/asbestos cement board. [ASTM E84]

No flash to boiling.

Almost unnoticeable " 0 ".

Approximately " 5 ".

On 2mm coating on 50mm mineral fibre matt 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:

On smooth & slightly porous surface, it ranges between 55 to 60 ft²/kg.

CLEANER:

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

APPLICATION:

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

- 1 Cement/Concrete surfaces.
- 1 Textiles, Canvas/ Cotton cloth.
- 1 Paper Board, Chip Board & Hard Boards.
- 1 Asbestos Sheets & Wooden Planks.
- 1 Glass Wool insulations.
- 1 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 at well ventilated store as recommended in product data.

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 original product only, provided used within shelf life as supplied originally.

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