



The Polymeric/Elastomeric Water Proof Liquid Membrane

ISO 9001:2000
Certified Company

This is a rubberized, copolymeric one component Liquid Membrane, ready to use acrylic coating exceptionally suitable for the waterproofing and insulation of cellular or porous surfaces. In Civil Construction related jobs, this product finds many utilities as the exterior, protective, washable, insulating Anti-Fungus paint for the protection of coated surfaces from the harmful atmospheric effects. Economical and long lasting, the coating will not fade or change over years, performing better than conventional exterior paints. Best for coating to protect Styropore sheets, PU foams and such other delicate insulating materials. It provides extra strength (mechanically & chemically) to the thermopore insulations besides considerably increasing heat resistance. Beneficially & safely used for coating on canvas or asbestos, where the relative humidity exceeds 90% for continuous periods and vapour barrier protection is required, as an ultimate waterproof/ weatherproof protective seal.

- 1 Cold/ Hot/ Boiling Water & Oil Proof.
- 1 Non-Flammable, Non-Toxic, Non-Hazardous, Non-Corrosive & Non-Rusting.
- 1 A "Human Friendly / Environmentally Acceptable" Product.
- 1 Soft Touch, Abrasion Resistant coating.
- 1 High Elongation, Non-Cracking & Non-Magnetic.
- 1 Acid, Alkali, Micro Organisms, Fungus/ Mildew Resistant. Non-Biodegradable.
- 1 Reinforces the concrete/ brickwork, increasing strength up to 20%.
- 1 Protects and guards concrete from chlorination and carbonation effects.
- 1 Capable of accommodating minor movements and cracking in the substrates.
- 1 Prevents decay/ erosion of plastered surfaces.
- 1 Reflects Sun Rays cutting down direct atmospheric heat up to 30% (4 coats application).
- 1 U/V, Temperature and Weather resistance provides years of intact aesthetic appearance.
- 1 It is non-sticky to walk i.e. TRAFFICABLE and for general use.
- 1 Penetrates, seals & coats all masonry & porous surfaces becoming an integrated part of concrete.
- 1 Patches up minute cracks & pores, insulating and water proofing the surfaces most satisfactorily.
- 1 Does not increase the weight of the surface due to its low density and required thickness, making ideal for highly damaged roofs.



COLOUR:

Light grey, light blue, white, cream, brick red etc.

ODOUR:

Ammoniac odour when liquid. No peculiar smell on curing.

DENSITY:

1.20-1.30 kg/litre at 30°C. [ASTM D-1475]

VISCOSITY:

Paint type. 2000-2100cP at 100RPM, Spindle 03, at 25°C. [ASTM D-2556]

SOLID CONTENTS:

60-62 % non-volatile contents. [ASTM D2369]

HARDNESS:

H900 leaves the film uncut, not-rupture or scratch (at 50%RH, 30°C). [ASTM D3363]

SERVICE TEMPERATURE:

Substrate Temperature: 6 to 65°C. The cured film resists temperature from -40 to 200°C.

DRYING:

Air-drying. Dries at room temperature and cures further with temperature. [ASTM D1640]

- 1 Surface Dry: 10 minutes
- 1 Tack Free Dry: 25 minutes
- 1 Hard Dry: 30 minutes
- 1 Re-coatability: 6-8 hours at 30°C and 65% RH.

The curing continues up to 48 hours improving the water proofing properties & strength with time.

COVERAGE:

7.5 to 7.7 m²/kg on average, depending on surface smoothness, porosity and application method.

APPLICATION:

ONE COMPONENT, COLD APPLIED & READY TO USE LIQUID MEMBRANE. Applied by soft smooth brush, roller or mechanical spray. Apply 3 or 4 coats to get the best vapour barrier, air/gas tight, Anti-Fungus protective membrane.

DILUENT:

Avoid dilution to prevent Fungus growth particularly when using as 'Anti-Fungus Paint'. If most necessary, use potable water for dilution. Clean dried film with solvent naphtha or methylated spirit.

APPLICATIONS:

Zahabiya Water Shield (Sealing Adhesive Coat) ZSAC-10/55 has excellent adhesion, water proofing & insulation properties and may be applied with advantages on:

- 1 Cement, Concrete, under screed & R.C.C.
- 1 Textiles, Canvas & cloth wrappings.
- 1 Chip Board, Hard Board & Wooden planks.
- 1 Plinth and sub soil level structure.
- 1 Concrete or Asbestos Roofing.
- 1 Water, Waste, Dilute Acids/ Alkalis Drains.
- 1 Underground, Over Head Tanks and Water Reservoirs/ canals, Swimming Pools etc.
- 1 Flower Beds & Roof Gardens.
- 1 As 'Best Exterior Paint' for buildings, boundary walls, basements, roof tops or areas subject to high humidity and abnormal climatic changes e.g. coastal areas, as the best defence against wind driven rain and other weather hazards.
- 1 It is ideally suited for old and damaged roof surfaces, with or without Zahabiya Polymeric Canvas which serves as best non-bituminised felt/ membrane.

STORAGE:

Store the compound at a well-ventilated place, away from the direct source of heat/sun between 25-30°C. Mix well before every use to ensure uniform application. Useable best up to 18 months from the manufacturing date, provided stored air-tight in the original containers, at above temperatures.



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WATER PROOFING & INSULATION WITH ZAHABIYA WATER SHIELD ZSAC-10/55

(An Ideal and Trusted Heat & U/V Resistant Protective Liquid Membrane)

The following procedure is suggested for solving water proofing & insulation problems effectively and economically, utilising latest polymers technology, which is time tested and best to our knowledge and experience. The main advantages are choice of colour, economy, cold and one component application and a durable, walk-able and weather resistant coating.

1. Completely remove any Bituminous / Asphalt based coating, if present.
2. Clean the entire roof slabs / application surface manually, mechanically or as may be necessary to remove any loose particles, surface preparation and checking to start water proofing.
3. Apply evenly FIRST Primer coat after diluting Water Shield ZSAC-10/55 with 10% potable water for highly porous and 5% for less porous surfaces. When being used as Anti Fungus Paint (in HVACR application) or in case of finished/smooth surface or non-porous surface, use as supplied.
4. Fill all the cracks on the surface with Zahabiya Soft Seal Special ZSP-1191. Refer relevant TDS for details.
5. Apply SECOND coat preferably as supplied after 6 hours of the first primer coat. If dilution is most necessary, mix up to maximum 5% potable water.
6. Apply a thick, uniform THIRD coat (as supplied), at an interval of 6-8 hours.
7. Apply FOURTH coat as the final coat, in the supplied consistency, after 6-8 hours of the 3rd coat.

OPTIONAL

8. Pasting of 10 Oz. Zahabiya POLYMERIC CANVAS:
Normally 10 Oz. raw un-starched canvas cloths both sides properly coated by undiluted Zahabiya Water Shield ZSAC-10/55. Zahabiya Polymeric Canvas is especially useable on old damaged roof where fresh plastering is required but avoided due to cost, time and weight factors. Pasting of "Polymeric Canvas" is also recommended at those exposed to atmosphere areas where temperature variations are very high and range between 0°C to about 60°C. The pasting of Canvas to be immediately done on THIRD rich coat application evenly levelled without leaving any air pockets inside and minimum 3" overlap at all joints. Apply FOURTH COAT on this pasted canvas after 6 hours sealing the overlap joints.
9. After 12 Hours of pasting the Zahabiya Polymerised Canvas, one final undiluted coat evenly applied/coated on for perfection of job, providing high insulation value cutting down the relative atmospheric heat & cold up to 50% approx. from the roof top.

For water proofing as suggested, the leakage detection test must be carried out after a period of minimum 3 days air-drying. After water proofing of U/G & O/H tanks, first charge of filled water is not advisable for drinking purpose and must be drained off after 8 hours storage for leakage detection test. The coated surface will be guaranteed waterproof for a period of at least seven years if the procedures for applying this product are strictly followed. Only manual wear and tear or natural calamities & destruction may damage waterproofing properties. This system seals capillaries, space, and voids and acts as integrated capillary sealing system.

**IMPORTANT: PLEASE CONSULT US TO OBTAIN BEST RESULTS ON ALL JOBS,
ESPECIALLY WATER RESERVOIRS/TANKS/BASEMENTS SEALING.**



Zahabiya FRC-10/60 Flame Retardant Coat is also available for Non-Combustible applications
with Water Proofing Properties.

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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