

Zahabiya Water Shield ZSAC-10/55 is a co-polymeric, one component, acrylic copolymers based ready to use **Waterproof Liquid Membrane Coating**. In the **HVAC** industry, this product finds many utilities such as coating and fixing of insulations; coating over the canvas cloth (lagging cloth) as the **adhesive cum vapour barrier sealant** for pasting various layers together and as the washable & insulating **Anti-Fungus Paint** for the protection of cloth & duct jacketing from the harmful environmental effects. It is also used as a protective finish for thermal insulations on hot/ cold water pipe fittings, vessels and other process equipments. **ZSAC-10/55** is the best coating to protect Styropore sheets, Polyurethane foams and such other delicate insulating materials from UV and other environmental effects. It provides extra strength (mechanically & chemically) to the thermopore or glass wool insulations besides considerably increasing heat resistance. Due to excellent waterproofing and vapour barrier properties the product can be safely used in areas where relative humidity exceeds 90% for continuous periods or where the insulated piping or equipment contains chilled water, ice water, brine or refrigerant.

- Human Friendly & Environmentally Acceptable.
- Hot/ cold water & oil proof.
- U/V & weather resistant.
- Vapour barrier & air/ gas tight.
- Soft touch, abrasion resistant coating.
- High elongation, non-cracking & non-magnetic.
- Fungus, mildew & other micro-organisms resistant.
- Non-toxic, non-hazardous, non-corrosive & non-rusting.
- Capable of accommodating minor movements and cracks in the substrates

COLOUR:

ODOUR:

DENSITY:

VISCOSITY:

SOLID CONTENTS:

HARDNESS:

SERVICE TEMPERATURE:

DRYING:

FUNGAL RESISTANCE:

COVERAGE:

APPLICATION:

SHELF LIFE:

Light grey, light blue, white etc.

Ammoniac odour in liquid state. Odourless when cured.

1.20-1.30 kg/litre at 30°C (ASTM D1475)

2000-2100cP at 100RPM, Spindle 03, at 25°C (ASTM D2556).

60-63 % non-volatile content (ASTM D1644).

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

Can be applied on surfaces having temperature between 6 to 65°C. The cured film resists temperature from -40 to 180°C.

Dries at room temperature and cures further with temperature (ASTM D1640).

- Surface Dry: 10 minutes
- Tack Free Dry: 25 minutes
- Hard Dry: 30 minutes

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

Rated "0" for *Aspergillus niger* & *Penicillium pinophilum* (ASTM G21).

Averages 5.5 to 6.0 m²/kg per coat on lagging cloth, actual coverage depends on surface smoothness, porosity and application method.

ONE COMPONENT, COLD APPLIED & READY TO USE. Applied by soft smooth brush, roller or mechanical spray. Apply 3 un-diluted coats to get the best vapour barrier, air/gas tight & anti-fungal properties. Avoid dilution to prevent fungus growth.

Keep in the original containers airtight in well ventilated place at around 25°C. Use within 18 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 original sealed product only, provided used within shelf life as supplied originally.

