



ISO 9001:2000  
Certified Company

# Zahabiya

## SPECIAL BINDER SEALER - 16/121

### Integrated Penetrative Sealer

Zahabiya Special Binder Sealer - 16/121- coating grade is a Co-Polymeric Resinous product, formulated with Stabilized Acrylic Latex Resins, usable on variety of CONSTRUCTION/ ENGINEERING related jobs at many surfaces where water-based, non-flammable safe coating is desired. On air drying the film is transparent in thin layers. On prolonged contact with water, the film may absorb about 2-3% water and may turn opaque but as the water source is removed, the film dries up becoming transparent once again on exposure to sun light or heat. Generally, on non-porous surfaces dilution is not advisable for better sealing/ protective results. Recommended for Sealing & Protection of exterior surfaces, to protect from harmful effects of weather variations and water penetration without affecting its original look/ appearance, as an ideal surface sealer and protective coat at coastal areas construction jobs to save the surface from bad weather/corrosion/erosion effects.



- 1 Cold set and water based coating with ever fresh look.
- 1 Waterproof, weather resistant, non-cracking, clear film forming product upon complete curing.
- 1 Suitable for the application on the areas subject to intermittent temperature from 5°C to 90°C and in the atmospheric humidity of 80-90%(relative humidity).
- 1 High adhesion on both porous and non-porous surfaces.
- 1 Also ideal for Metallic sheet bonding and protective coating.
- 1 Prevents corrosion/ oxidation of metal when coated as a protective coat as supplied (un diluted).
- 1 Prevents erosion, rotting or spoilage of cement/ plastered substrate.
- 1 Retards penetration of oil, dilute acids, alkalis, salts, and protects the substrate from weather deterioration.
- 1 Contributes to the strength of cement/ mortar surfaces.

**COLOUR:**

Milky White when supplied.

**ODOUR:**

Mild resinous smell in liquid state. The cured film is odour free. [ASTM D1833]

**CONSISTENCY:**

Free flowing liquid.

**DENSITY:**

1.0 kg/litre at 25°C. [ASTM D1475]

**SOLIDS:**

Normally 46-47% non-volatiles. [ASTM 2369]

**DRYING:**

**AIR DRYING.** A thin uniform film becomes touch dry within 10 minutes and air cures after 4 hours, depending on relative humidity and atmospheric temperature. The bond strength and film properties develop with passage of time. [ASTM D1640]

**BEHAVIOUR:**

When perfectly cured, the dried film is resistant to Aliphatic Solvents, Mineral Oils [ASTM D5402], Dilute Acids/Alkalis, Salts, Weather Resistant, Water Proof, Non Flammable, Mildew and Fungus growth resistant. The Resistance to ageing is excellent.

**PHYSIO-CHEMICAL RESISTANCE:**

When appropriately applied on Cement/Mortar plasters, metal surfaces, the coated surface resists attacks of mild acids, alkalis, sulphonation, chlorination, carbonation, etc.

**FLEXIBILITY:**

This seam less waterproof cured membrane may stretch up to 50% at 35°C on average R/H of 65%.

**SAFETY:**

Safe in Handling. Non-Flammable, Non-Toxic & Non-Corrosive in nature. A "Human Friendly/ Environmentally Acceptable" Product.

**COVERAGE:**

Depends on the nature of the substrate. On average, non-porous surface covers about 14 m<sup>2</sup>/kg (~145ft<sup>2</sup>/kg).

**DILUENT:**

Dilution is not advised. However, if unavoidable, it may be diluted with potable water up to maximum 2-3%.

**CLEANER:**

The wet coating, brush or spray system may be cleaned immediately before it dries up, with cold water and dried film by Naphtha or White Spirit.

**APPLICATION:**

Manually by Brush/Roller or Air less Spray.

**Procedure:**

1. Thoroughly clean and dry the surface to be treated.
2. If the surface is oily or greasy, clean it with Petrol, Benzene, or Toluene.
3. To remove loose scales, rust or corrosion, use the effective method of sand blasting.
4. Apply pure uniform coat of Zahabiya Special Binder Sealer 16/121.
5. Apply 2nd coat "as it is" preferably in uniform smooth layer, after 3-4 hours of 1st coat application if necessary.

**STORAGE/SHELF LIFE:**

To be stored at cool dry and well ventilated place. Shelf life in closed original containers is one year from the date of manufacturing. Keep container airtight after every use and mix properly before use.



**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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