


## PRODUCT DATA

### - 2010 AQUA SEAL

## **ONE COMPONENT, COLD APPLIED & READY TO USE (SEAMLESS & ELASTOMERIC WATER PROOFING & NON-FUNGUS INSULATION COATING COMPOUND)**

### **INTRODUCTION**

 **-2010 AQUA SEAL** is an especially blended **ONE COMPONENT, COLD APPLIED AND READY TO USE** polymer based air drying sealing, insulating and coating compound containing styrene-acrylic-rubber and other essential resins. On perfect drying in 3 to 4 coats penetrating through deep inside behaves as water proof, weather proof, oil & solvent proof, micro-organisms, fungus/mildew resistant non-flammable, non-toxic, U/V resistant, non-cracking, vapor barrier, abrasion and temperature resistant (up to 200°C), fair to dilute acids/alkali. Unlike bitumen based coatings having changing behavior in atmospheric conditions such as softening/melting on heat and becoming hard and brittle on cold, **Aqua Seal** when applied on R.C.C./Cementitious surfaces becoming an integral part by penetrating deep inside through capillaries providing best water repellent shield having no affect of atmospheric conditions rather increasing properties by passage of time. The coated surface so obtained is washable and walk-able.

In **HVACR AQUA SEAL** has numerous applications. In Central Air Conditioning jobs as a non-fungus coating over canvas cloth, as vapor barrier thermal insulation sealant, cementing laps of canvas and asbestos lagging cloth and also to protect thermopore, styropore & polyurethane foams & other delicate insulation materials used for duct jacketing from weather conditions and UV radiation.

### **USAGES**

- Water Proofing of roofs, basements, OH/UG tanks, pools, ponds, foundations, flower troughs, effluent drains, canals, embankments, retaining walls etc.
- Protective coatings for walls in factories, processing areas, kitchen, ware houses etc.
- Water proof membrane in sandwich construction.
- Below ground concrete elements protection.
- Anti-fungus, moisture and vapor barrier external coating for building exteriors, facades, walls and HVAC ducts.

### **TECHNICAL DATA**

- Color : Grey/White/Sky blue. Other colors on bulk orders.
- Odor : Ammoniac in liquid state.
- Solid Content : 57% ± 1% (ASTM D-1644)
- Flash Point : Non-flammable.
- Elongation : 400 %
- Tensile Strength : 295 kgf/cm<sup>2</sup> (ASTM D-412)
- Service Temp. : Between °5 C to 80 °C
- UV Resistance : 10,000 hours (no affect)
- Peel Adhesion : 60 lb/inch<sup>2</sup>
- Specific Gravity : 1.15 Kg./Lt. (ASTM C-771)

### **ADVANTAGES**

- Excellent for application over Concrete, Textiles, Paper/Board, Hard Board, Chip Board, Asbestos/Asphalt Roofs, Wood, Under Screed and all such other porous surfaces.
- Excellent protection for pipe lines & grain silos.
- Water proofs severely weathered, cracked and leaking existing asphalt roofs.
- One component, easy to stir and apply by brush, roller or spray.
- Completely safe being non-flammable, resistant to fungus, aging & UV radiation.
- Uniform, flexible, high stretch & tear resistant film.
- Completely water tight after drying even when immersed for longer period of time.
- No risk of creeping due to hot weather, mechanical stress or oxidization & withstanding temperatures from -20° C to over 160° C.
- Imparts no taste, odor or color to products coming in contact, once cured.
- Accepts light foot traffic.
- Repairable in case of damage by removing the damaged portion and applying the same procedure as in the case of new job with at least 2 inches overlap over the existing surface.
- Storage life in excess of two year.

**RECOMMENDATIONS & PRECAUTIONS**

- Stir contents well prior to use.
- Do not apply on water logged surfaces.
- Do not apply when rain is imminent.
- Bitumen or asphalt surfaces should be totally dry at the time of application.
- Application of too thick coats may result in reduced elasticity and possible cracking of film.
- The concrete surface to which Aqua Seal is applied must be 28 days old and free from entrapped moisture.
- **FAME™**-2010 Aqua Seal is a non-hazardous and non-toxic emulsion, however harmful if swallowed. Avoid contact with eyes or skin. In case of contact with eyes, wash with plenty of water and seek medical advice.

**COVERAGE & DRYING**

- 70 to 90 Ft<sup>2</sup> (6.5 to 8.5 M<sup>2</sup> ) depending upon porosity of the surface & method of application in 3-5 coats.
- Air drying. Set to touch in 2 hrs. & complete dry in 6 hrs. Test to conduct after 48 hours. (ASTM D-1640)

**SAFETY**

- The product does not require special handling being non-toxic, non-flammable, non-corrosive & non-fungal. Safe in handling & to body contact, resistant to acids/alkali, U/V light, ozone & gases.(ASTM D-3278)
- **FAME™**-2010 Aqua Seal is a non-hazardous and non-toxic emulsion, however harmful if swallowed. Avoid contact with eyes or skin. In case of contact with eyes wash with plenty of water and seek medical advice.

**DILUENT/CLEANER**

Normal potable water if so advised. Use naphtha solvent or methylated spirit to clean dried film.

**APPLICATION**

Apply by brush, roller or spray, as under:-

1. Clean & dry the surface from dust/dirt, oil & grease.
2. Apply first coat as primer coat diluted with 10% water.
3. Fill/repair cracks & gaps after 2 hours with **FAME™**-2020 Polymeric Caulk Sealant-SOFT SEAL/**FAME™**-2030 Flexi-gum.
4. Apply as-it-is 2 or 3 coats with an interval of 3 hours.

**Note:**

In case of pasting of 10 Oz. Canvas cloth membrane press paste canvas cloth, with minimum 2” overlap on all joints, immediately after third coat while wet and apply 2 subsequent coats over canvas cloth with an interval of 5 hours. Secure canvas overlap joints with **FAME™**-2020 Polymeric Caulk Sealant – SOFT SEAL.

**WARRANTY**

If the procedure is properly followed the job so carried out is guaranteed to perform satisfactorily for **up to 7 years**. However, in case of any damage the same is repairable by way of removing the damaged portion and patch up with at least 2” overlap on the existing surface applying the same procedure as in the case of new job as stated above.

**STORAGE/SHELF LIFE**

As the product is thixo-tropic keep the container airtight after every use & store at well ventilated & cool atmosphere. Use within 2 years from manufacturing date.

**PACKING**

1.0 kg. Plastic Jar, 4.0 Kg. & 16.0 Kg. Plastic Bucket and 35 Kg. Plastic Can and 225 Kg. Plastic Drum.

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**Important Notice:**

The information submitted in this leaflet is based on our current knowledge and experience. In view of the many factors that may affect processing and application, these data do not relieve processors from the responsibility of carrying out their own tests and experiments, neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislations are observed.

