



## PRODUCT DATA SHEET

**PRODUCT CODE: E501**

### **CONCRETE BARRIER COATING**

#### **Description**

E501 is a blend of thermoplastic resins and Styrene-acrylates. The product is a one component coating system, available in a variety of colours

#### **Principal uses**

E501 is specifically designed to protect concrete against mild acidic attacks, extreme weather conditions and wear

#### **Advantages**

- Ease of use
- Superior UV resistance
- Chemical and mild acid resistance
- Waterproof
- Substrate alkaline attack resistant
- Economical

#### **Performance data**

Solid content (%)	50
Specific gravity	1.05
Bond strength	Failure in concrete

#### **Surface preparation**

Remove all loose material, rust and any oil based residue where the product will be applied. This can be done by wire brushing, sanding, grinding or sand blasting the surface

#### **Pot life & Curing**

The product has a 45minute pot life, at an ambient temperature of 25° Celsius, should the temperature increase, expect an accelerated reaction

Set to touch	6 hours
Overcoat	Minimum of 6 hours
Hard dry	12 hours
Full cure	3 to 7 days

#### **Yield**

Apply E501 at a thickness of 200 to 300 micron per coating. Consumption will be between 4 to 6m<sup>2</sup> per litre. Consumption dependant on the porosity and profile of the surface

#### **Application**

*Mixing-* using a low speed paddle drill, mix the product for 3 minutes

*Application-* apply the product by brush, roller or mechanical equipment

Ensure a second coat is applied with-in 12 hours

After application clean tools with *E830 Brush Master*

#### **Limitations**

Protect from rain for at least 2 hours. Do not apply product in temperatures below 5°C and above 35°C

#### **Safety & Handling**

Epoxy resin components may cause skin irritation. The product is low in acute oral toxicity. At room temperature, there is exposure to vapours from the product that may cause allergic skin reaction in humans. Safe handling can best be accomplished by adhering to the following rules:

- Work in well ventilated areas
- Wear PVC gloves, safety glasses and aprons
- Use soap and water after using epoxies to remove any residue
- In the event of contact with eyes flush with copious amounts of water. Seek immediate medical attention
- Prior to mixing and curing the product is harm full to the environment

#### **Packaging**

The following sizes are available; 1l, 2l, 5l & 20l

#### **Shelf life & storage instructions**

12 months when stored in a cool dry place, failure to comply with these recommendations will result in a reduction in shelf life

**Note:** The information and specifications provided is to the best of our knowledge. The technical data contained herein are true and accurate at the date of issue and are subject to change without prior notice. No guarantee of accuracy is given or implied. We guarantee our products to conform to ASHAKepoxerite quality control. We cannot be held responsible or liable, directly or in directly for the use of our products, coverage, performance or injury resulting from use, as we have no control over the method of application used or site conditions. For further technical and method statements, contact our Technical representatives.