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Product Information Sheet

MICROSEAL T 20

Microseal T20 is a special primer which provides a surface such that an excellent bond may be obtained between rigid PVC liners and GRP reinforcement in the manufacture of storage tanks, pipework and chemical plant.

The advantage of this type of construction are as follows:-

1. Very corrosive liquids and gases can be confidently contained.
2. An upgrading of thermal and mechanical properties over a wholly PVC structure.
3. A considerable weight saving over other construction materials including a wholly PVC structure of equivalent strength.
4. A substantial cost saving over other construction techniques.

Microseal T 20 replaced both Microseal T 17 and T 18, having the effectiveness of T 17 and an even longer 'open time' than T 18.

PROCEDURE

Stir the Microseal vigorously to ensure a uniform consistency. It should be noted that these materials are liable to settle out of solution during storage.

1. Apply an even layer by brush, 300gm/m² onto the PVC. No abrasion of the surface of the PVC is necessary but oil or grease must be removed.
2. Leave surface for 45 – 60 minutes. Then apply first coat of catalysed polyester resin.
3. The fibre reinforcing is then added and built up to the required thickness, each successive layer being added whilst the previous layer is still in the 'green' stage.

A composite laminate, properly constructed, will give a shear strength between 400 – 600 lbf/in² 28 – 42 kgf/cm². Failure will generally be through the PVC and not at the interface. These results relate to bonds between Polastor resins and rigid PVC and should not necessarily be taken as indicative of results with other polyester resins. Care must be taken not to use polyester resins containing wax or similar anti-air inhibition compounds.

The following precautions must be observed when using Astor's Microseal T 20.

1. Adequate ventilation must be provided because the base solvent can be toxic at high concentrations.
2. No naked flames in the vicinity as the material has an extremely low flash point and is highly flammable and all electrical equipment must be flameproof.
3. The container must be resealed after use and kept in a solvent store

MICROSEAL T 20. FLASH POINT CLOSED CUP 0°C.

Every endeavour has been made to ensure that the information given herein is true and reliable but it is given only for the guidance of our customers. The Company cannot accept any responsibility for loss or damage or infringement of patent rights, that may result from the use of the information, due to the possibility of variations of processing or working conditions and of workmanship outside our control. Users are advised to confirm the suitability of the products with their own tests. Any dimensions shown are approximate.