PAINTS

HP68.01

Flow Cup No.4

IS : 101-1964

For determining the efflux time of paints. It is made of gun metal and has a stainless steel jet. A protective skirt is provided for the jet. Supplied complete with a stand having levelling screws.

HP68.05

Pressure Test Apparatus

IS : 101-1964

For testing the hardness of paint films.

It consists of a table with a guide bracket. A guide rod, with a loading platform at the top and a seat for steel ball at the bottom, slides freely through the guide bracket. A 40 mm dia steel ball is also provided. The weight of guide rod assembly and the steel ball is approx 340 gms. Another weight of 1.81 kg is also provided.

HP68.10

Scratch Hardness Tester

IS : 101-1964

For testing the resistance to scratching under specified loads of a dried film of paint.

The tester consists of a base with a slide. A specimen panel can be mounted on the slide with spring clamps. The testing needle is mounted at the end of a counter balanced arm which is mounted on a shaft fitted on ball bearings in a bracket fixed at one end of the base. A 1 kg. Weight is also provided for loading the test needle. For the detection of scratch, an electrical circuit is provided which consists of a glow lamp, on and off switch and a step down transformer. These electricals are fitted in a box fixed to one side of the base.

When the needle penetrates through the paint film the indicator lamp will glow.

Suitable for operation on 220 V, 50 Hz, single phase supply.

HP68.15

Flexibility and Adhesion Tester

IS : 101-1964

For testing the resistance to cracking of painted film during bending.

The apparatus consists of two plates hinged together at one end with the mandrel. 6.25 mm dia, serveing as hinge. When opened, both the plates are in the sample plane and can be turned over the mandrel through 1800. Supplied complete with a 10 x magnifying glass.

HP68.20

Salt Mist Chamber

IS : 589-1961

To determine the suitability of a component for use or storage in a salt laden atmosphere. The apparatus consists of a chamber with a cover 760 mmx 500 mm x 400 mm, fabricated from Hylam sheet. It is divided into two compartments. The automozer nozzle is provided in the lower compartment and the components under test are hung in the upper compartment. The shelf for hanging consists of stainless steel rods placed in a rack. A compressor with necessary control valves and a pressure gauge is also provided. The compressor air outlet is connected to the atomiser through flexible tubing.

Suitable for operation on 220 v, 50 Hz, single phase supply.

HP68.25

Salt Spray Cabinet.

IS : 104, 2074, 138

For testing the resistance to salt spray of painted surfaces.

The apparatus consists of a chamber with a cover 760 mm x 500 mm x 400 mm, fabricated from Hylam sheet. An atomiser is fitted on one side of the chamber. A baffle is provided in front of the atomiser to prevent the salt solution directly impinging upon the test panels. A rack is provided for holding the test panels at an angle of 15^{0} to the vertical. This rack is placed in a tray, the bottom of which is connected to a drain nipple in the cabinet so that the solution which has come in contact with the painted surface will not be recirculated but will be drained out. A compressor with necessary control valves and a pressure gauge is also provided. The compressor air outlet is connected to the atomiser through flexible tubing.

Suitable for operation on 220 V, 50 Hz, single phase supply.

HP68.30-A

Weight Per Ten Litre Cup

IS : 101-1964

For determining the weight of wet paint in Kilograms per ten litres.

The cup is of 50 ml. Capacity having a hole in the lid. A counter balance weight is provided for the cup and lid. Made of Stainless Steel.