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Heat of Hydration Apparatus ZI 1017

Standards: IS 11262-1985, ASTM C 186

Specification:

This equipment is required to determine the heat of hydration of cement as expressed in calories per gram.

The equipment comprises of the following:

1. A wide mounted double walled vacuum flask with a stop cock 38 mm & a insulating container for the flask
2. A Beckman thermometer (Range 5° C) held tightly by the cock stopper in such a way as to avoid accidental contact with the stirrer blade & the reading lens. To facilitate the easy removal the cock stopper is in two halves.
3. A constant speed stirrer (double bladed propeller type) extended to within 38 mm from the bottom of the flask.
4. A funnel (Gooch type) with a stem of 6 mm inner dia & a body approx 25 mm long and 25 mm dia. is fitted to the cock stopper for introducing the sample.

