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B065

Rotary Evaporation Apparatus

BITUMINOUS BINDERS. DETERMINATION OF THE RESISTANCE OF HARDENING. ROTATING FLASK TEST:

RFT METHOD. STANDARD: EN 12607-3

This unit is used to evaluate the hardening effect of a treated bituminous binder sample. The test is performed by introducing 100 g of bituminous binder into the rotating flask. The sample is heated at 165°C and ambient temperature air is blown into the flask containing the binder hardening the same. The hardening effect is evaluated by penetration, viscosity and softening point tests.

The Rotary Evaporation Apparatus is essentially composed by: distillation flask 1000 ml capacity rotated by a speed motor at an adjustable rate of 20 to 280 rpm, condenser, solvent recovery flask, heated oil bath.

The angle of the rotary/distillation flask is 15°

The instrument is supplied complete with glass tubing with three way valve and transparent flexible hose for solution intake.

The Rotatory Apparatus requires a vacuum pump and a vacuum regulating system (see accessories at pag. 76).

Power supply: 230V 1ph 50Hz. Weight: 27 kg approx.



B065

B090

Breaking value of cationic bitumen emulsions. Mineral filler method

STANDARDS: EN 13075-1 / IP 494

Equipment for the determination of the breaking value of cationic emulsions, (manual version) comprising:

Filler feeding pan, complete with support base and clamp, nickel spatula, two round porcelain dishes.

Weight: 2 kg approx.

ACCESSORIES FOR AUTOMATIC VERSION:

B090-10 Electric stirrer having 260 rpm., 230V 50Hz, 1ph

S157-06 Support base for stirrer.

B090-11 Propeller for electric stirrer.

B090-12 Metallic container, 500 ml capacity.

B090-20 Reference filler, 50 kg (two bags of 25 kg).

B090-21 Reference filler original Sikasoil recommended by EN Standard. Bag of 50 kg.

B075-05

Determination of solubility of bituminous binders

STANDARDS: EN 12592 / ASTM D2042 / IP 47

The set comprises :

Gooch crucible complete with funnel and rubber ring

Filter flask 500 ml capacity with rubber stopper

Whatman filter fibreglass discs, 25 mm dia.

(pack of 100)

Weight: 1000 g approx.



B075-05

B075-01

Graduated cylinder with side tubes and stopper

BITUMEN EMULSIONS:
DETERMINATION OF SETTLING TENDENCY

STANDARDS: EN 12847 / IP 485

The cylinder has 600 ml capacity, it is marked at 500 ml and two side tubes are foreseen.

Weight: 800 g approx.

To perform this test the water in petroleum emulsion equipment mod.B075 is also required. See pag. 136



B075-01

B075-08

B075-08

Glass tube with glass filter

BITUMEN EMULSIONS:
DETERMINATION OF PENETRATION POWER

STANDARDS: EN 12849 / IP 487

The glass tube has 41,5 mm inside dia. by 115 mm height, and a fused-on glass filter with holes size between 0,160 and 0,250 mm is fitted. Weight: 300 g approx.



B090



B090-10

B090-11

B090-12