

PARTICLE LOSS AND RESISTANCE TO FUEL

STANDARDS: EN 12697-17, 12697-43 | EN 1097-2 | ASTM C131

The test concerns the determination of the particle loss by abrasion of porous asphalt mixtures, and the determination of the resistance of a pavement or a bituminous mixture to aviation fuel.

These Standards require, within other specific tests, the abrasion tester:

A075N LOS ANGELES ABRASION MACHINE

Technical details:

see Section "A"

Aggregates, p. 48

B022SP BOTTLE ROLLING MACHINE

STANDARD: EN 12697-11

To determine the affinity between aggregate and bitumen, expressed by visual registration of the degree of bitumen coverage on uncompacted bitumen-coated mineral aggregate particles after influence of mechanical stirring action in the presence of water. Rotation speed adjustable from 0 up to 85 rpm.

The machine can roll up to 3 bottles at the same time.

Supplied complete with timer **range 0 - 99 hours**, to fully perform the test cycle.

Power supply: 230V 50-60Hz 1ph

Dimensions: 385x295x160 mm

Weight: 10 kg approx.



B022SP + S132-01



B022-12

S132-01

NEEDED ACCESSORIES

S132-01 TEST BOTTLE, made of borosilicate glass, 500 ml capacity, diameter 86 mm, height 176 mm, 30 mm neck diameter, as expressly requested by EN Specification.

B022-12 GLASS ROD with a diameter of 6 mm equipped with 30 mm (\pm 10 mm) long fitting rubber tube.



A075N

A122-10 TILT TEST

The instrument measures the roughness coefficient of a joint. The unit is also designed to test the possible fluage tendency of bituminous mixtures covering a slope of a dam subject to high sun radiations. The fluage tendency is the permanent viscous deformation of a material. The apparatus consists of an inclined adjustable plane on which the sample is placed.

Inclination angle: 0 - 75°

Max. sample diameter: 100 mm

The plane is slowly tilted until sliding of the upper surface of specimen on the lower one occurs. The roughness index can be evaluated from the measured inclination angle.

Dimensions: 270x175x265 mm

Weight: 5 kg approx.



A122-10

B022T BOTTLE-ROLLER WITH VARIABLE SPEED

Suitable for mixing of liquids and, using the special jar, for grinding small specimens. Metal frame and rollers covered in rubber (second roller can be placed in various positions in order to accept different size bottles). 0,5 HP engine.

Variable roller speed: 0-95 rpm.

Power supply: 220V 1F 50Hz

Dimensions: 640x350x140 mm

Weight: 20 kg approx.



B022T

B022ST BOTTLE-ROLLER

Same as mod. B022T but with fixed speed at 73 rpm.