

DETERMINATION OF THE SOFTENING POINT OF BITUMEN

PRINCIPLE

The test consists of determining the softening point of bitumen and bituminous binders in a temperature range of 28 ° C to 150 ° C. Two horizontal bitumen discs, molded in shouldered brass rings, are heated in a liquid bath with a controlled temperature rise rate of 5 ° C per minute, while each supports a steel ball of defined size and weight. .

The softening point noted shall be the average of the temperatures at which the two discs soften sufficiently to allow each ball, wrapped in bituminous binder, to descend from a height of 25 + - 0.4 mm.

STANDARD

EN 1427 / ASTM D36

PRODUCTS

Label	Description	Reference
Ring and Ball device		F025.135.1600
	<u>Set including</u> → 1 Glass beaker with volume 800 ml → 1 brass or stainless steel support for positioning the samples → 2 Brass rings → 2 Balls centering devices → 2 Balls	
	Magnetic stirrer with ceramic hotplate → Temperature sensor PT1000 → Rod and nuts → Temperature Max. 550° → Ceramic top 184 x 184 mm → Agitation : 100-1500 Rpm	F039.115.0124C

COMPLEMENTARY ACCESSORIES

Label	Description	Reference
	Glass thermometer ASTM 15C → T°C : -2/80°C, 0.2°C, 395 mm	F024.245.0015C
	Ring casting plate → U Profile, stainless steel	F025.135.1606
	Non-stick paper → Roll 15m x 30 cm	F00X.135.0001
	Straight stainless steel forceps → Double bite, length 250 mm	F039.230.1251

Complementary products and accessories on www.vialab.fr