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Product Name :

Le Chatelier moulds

Product Code :

SLE/CE/49



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Description :

Le Chatelier moulds (Product Code: SLE/CE/49) are spring-tensioned split-cylinder mouldsused to measure the expansion (soundness) of cement in cement testing laboratories. Eachmould is 30 mm in internal diameter and 30 mm high, with two indicator stems whose points are165 mm from the cylinder's centre line, so a slight opening of the split shows up clearly at thepointers. **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, makesthem at its own factory in Ambala, India.

Specifications

Parameter	Detail
Test	Expansion of cement
Mould type	Spring-tensioned split cylinder
Internal diameter	30 mm
Height	30 mm
Indicator stems	Two, measuring 165 mm from the points to the centre line of the cylinder
Moulds per test	Two or three
Kit consists of	Le Chatelier moulds; glass plates, 50 mm square
Kit scope	Includes the accessories to perform the test and to check the conformity of the moulds
Product code	SLE/CE/49
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Le Chatelier Mould Used For?

Unsound cement contains constituents that keep expanding after the cement has set, which can crack hardened mortar and concrete; the Le Chatelier test detects this. The mould is set on a glass plate, filled with cement paste, covered with a second plate and stored, then heated in water, and the increase in distance between the indicator points shows how far the cement has expanded. The long stems magnify the tiny movement of the split so it can be read with an ordinary scale.

Because two or three moulds are needed for each test, laboratories normally keep moulds in sets. Before use, check that the split edges close evenly and the stems are straight, and lightly oil the inside so the hardened paste releases cleanly. The moulds are standard technical educational equipment for building-materials practicals in civil engineering diploma and degree courses.

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