Drying Time

Elcometer 5300







Linear Drying Time Recorder

The Elcometer 5300 is designed to determine paint drying time by linear recording, with up to 10 positions (5 each side of the centre column) tested simultaneously.

Ten rods with hemispherical tips, fitted to a carriage, are brought into contact with the fresh films at one end of the test piece and moved lengthwise.

The drying time is calculated from the distance travelled, measured using a graduated rule along the edge, corresponding to the various stages observed on the trace.

The coatings are applied beforehand on glass strips 25mm (0.98") wide and 700mm (27.5") long. Using the Elcometer 3505 Cube Film Applicators, it is possible to apply up to five coatings simultaneously on a glass plate.

- The drying time recorder automatically stops at the end of travel
- The load on each ball is 11g (0.37oz), although additional weights can bring this load up to 21g (0.71oz)

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	Description	
US 110V		Certificate
K0US5300M002	Elcometer 5300 Linear Drying Time Recorder	0
4.76mm (0.19")		
6 speeds, between	12mm (0.5") and 600mm (24") per hour	
860 x 420 x 170m	m (34 x 16.5 x 6.7")	
18kg (40lb)		
Elcometer 5300, 1	2 glass strips, 10 x 10g (0.35oz) weights and operating instructions	
	US 110V K0US5300M002 4.76mm (0.19") 6 speeds, between 860 x 420 x 170mm 18kg (40lb)	Description US 110V KOUS5300M002 Elcometer 5300 Linear Drying Time Recorder 4.76mm (0.19") 6 speeds, between 12mm (0.5") and 600mm (24") per hour 860 x 420 x 170mm (34 x 16.5 x 6.7")



For a full range of accessories, see page 3

Optional Calibration Certificate available

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Accessories

Part Number	Description
K0003505M001	Elcometer 3505/1 Metric Cube Film Applicator - 1 Stripe*
K0US3505M001	Elcometer 3505/1 Imperial Cube Film Applicator - 1 Stripe*
K0003505M202	Elcometer 3505/2 Metric Cube Film Applicator - 5 Stripes*
K0US3505M202	Elcometer 3505/2 Imperial Cube Film Applicator - 5 Stripes*

^{*} see page 17-14 for details

Part Number	Description
KT005300P002	Ball Tool - set of 5
KT005300P003	Additional 10g (0.35oz) Weights, set of 5

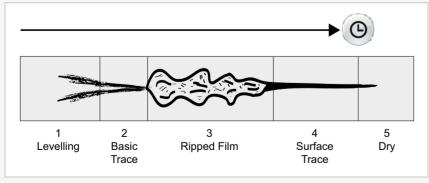
Part Number	Description
KT005300P001	Glass Strip 700 x 25mm (28 x 1"), set of 10
KT005300P004	Glass Plate 700 x 145mm (28 x 5.7"), set of 6







How to use a linear drying time recorder



A Linear Drying Time Recorder calculates the drying time using the principle that

Distance = Speed x Time

A ball tip is placed into the coating being tested and the drying time recorder begins to move the ball at a predefined speed. As the coating dries, the visual trace left in the coating by the ball identifies each stage of the cure.