



CEMENT **Physical and Chemical Properties FINENESS (Specific Surface)**

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Product Code

UTCM-0280	Automatic Blaine Air Permeability Apparatus 110-230V, 50-60 Hz, 1ph
UTCM-0242	Manometer Liquid 250 ml
UTCM-0243	Cell with Perforated Disc and Plunger
UTCM-0244	Filter Paper 100 pcs.
UTCM-0245	Filter Paper 1000 pcs.
UTCM-0246	Reference Cement 5 g, ASTM
UTCM-0282	Reference Calibration Sand-Fine, Approx.100g
UTCM-0284	Reference Calibration Sand-Coarse, Approx.100g

Standards

EN 196-6; ASTM C204; BS 4550

The UTCM-0280 Automatic Blaine Air Permeability Apparatus perform the test for determining the fineness of cements, limes and similar powders expressed in terms of their specific surface according to the above testing standards. The fineness of cement can be automatically measured as specific surface by observing the time taken for a fixed quantity of air to flow through a compacted cement bed of specified dimensions and porosity. The method is comparative rather than absolute and therefore a reference sample of known specific surface is required for calibration of the apparatus.

Main Features

- The test is controlled on the touch screen.
- Automatic control of the movement of fluid until the upper line
- Automatic measurement of the air flow time
- Automatic measurement of temperature during the test
- Languages (English, Spanish, Russian, Turkish)

Reference Cement and Reference Calibration Sands should be ordered separately.

UTCM-0280 is supplied complete with;

- Cell with Perforated Disc and Plunger (with UTEST Certificate of Cell, Plunger Dimensions for Calculation of Cell Specimen Volume)
 Filter Paper, 100 pcs
 Plastic Funnel
 Injector with hose

Product Code	UTCM-0282	UTCM-0284
Specific surface (cm²/g)	3890	2980
Density (2,65 g/cm³)	2,65	2,65
Porosity (approx.)	0,50	0,50
Dimensions	250x420x450 mm	250x420x450 mm
Weight (approx.)	16 kg	16 kg



Apparatus			K1			
Constant 0.000 (K)	00	Time 0.0 Tempera	sec		Т	st Parameters
Recommended We	ight e.eee gr		°C			Save
Number of referen	ces (max.3)	Θ 3	Ð			Cancel
Number of tests (n	nax.3) (K)	Θ 3	Ð			
	<mark>ест)</mark> к. 00	0000 K (1)	0.00300	K (2)	0.00010	K (3) 0 0010
	<mark>ен (2)</mark> К 0.0	0000 <mark>K (1)</mark>	0.00000	K (2)	0.00000	K (3) 0 0000
	Perf (3) K 0.0	6000 K (1)	0.00000	K (2)	0.00000	K (3) 0.0000

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Apparatus Constant (K)	0.00	000			
UTEST		Ē,	Test Par	ameters	
Temperature	0.0	°C	St	art	
Time	0.0	sec	Re	set	
Sample Specific Surface (S) (1)	0.00	cm2/gr			
Sample Specific Surface (S) (2)	0.00	cm2/gr	EN	ASTM	
Sample Specific Surface (S) (3)	0.00	cm2/gr	Sample Specif	ic Surface	(\$
			0.00	cm2/e	ar

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