



AGGREGATE

ABRAHAM CONE AND TAMPER

PRODUCT CODE

NT-A5570 Abraham cone and tamper

STANDARDS

EN 1097-6, BS 812:2, ASTM C128



SPECIFICATIONS

The Abraham Cone Set is used to determine the saturated surface dryness of aggregates smaller than 10 mm in the process of determining specific gravity and water absorption.

The cone has a top diameter of 40 mm, a bottom diameter of 90 mm, and a height of 75 mm. The rammer has a base diameter of 25 mm and weighs approximately 340 g.



AGGREGATE

AGGREGATE IMPACT VALUE (AIV)

PRODUCT CODE

NT-A0560 Agrega darbe değeri (AIV)

STANDARDS

BS 812:112

SPECIFICATIONS

Agrega Darbe Test Cihazı, bir agreganın ani şok veya darbeye karşı direncinin göreceli bir ölçüsünü sağlayan agrega darbe değerini (AIV) belirlemek için kullanılır.





AGGREGATE

Riffle Boxes (Sample Splitters)

PRODUCT CODE

- NT-A0430 Riffle box, 5 mm chute, with 3 pcs. collecting pan
- NT-A0431 Riffle box, 7 mm chute, with 3 pcs. collecting pan
- NT-A0432 Riffle box, 13 mm chute, with 3 pcs. collecting pan
- NT-A0433 Riffle box, 15 mm chute, with 3 pcs. collecting pan
- NT-A0434 Riffle box, 19 mm chute, with 3 pcs. collecting pan
- NT-A0435 Riffle box, 25 mm chute, with 3 pcs. collecting pan
- NT-A0436 Riffle box, 30 mm chute, with 3 pcs. collecting pan
- NT-A0437 Riffle box, 38 mm chute, with 3 pcs. collecting pan
- NT-A0438 Riffle box, 45 mm chute, with 3 pcs. collecting pan
- NT-A0439 Riffle box, 50 mm chute, with 3 pcs. collecting pan
- NT-A0440 Riffle box, 64 mm chute, with 3 pcs. collecting pan

STANDARDS

EN 932-1, EN 932-5, EN 933-3

SPECIFICATIONS

Riffle Boxes (Sample Splitters) are used to divide representative dry samples of aggregates into the required batch sizes for testing. Made from electrostatic powder painted sheet steel, they are supplied complete with three metal pans.





AGGREGATE

GRID SIEVES, BAR SIEVES

PRODUCT CODE

NT-A0245 Grid sieve set, consist of 13 pcs sieves

STANDARDS

EN 933-3

SPECIFICATIONS



The bar sieve set is used to determine the flakiness index of aggregates.

The bar sieve set consists of 13 sieves with mesh openings of 2.5 – 3.15 – 4 – 5 – 6.3 – 8 – 10 – 12.5 – 16 – 20 – 25 – 31.5 – 40 mm.

Product Code	Description	Bar Mesh (mm)	Dimensions (mm)	Weight (kg)
NT-A0246	Bar Sieve	2,5 mm	34x32x8	4
NT-A0247	Bar Sieve	3,15 mm	34x32x8	4
NT-A0248	Bar Sieve	4 mm	34x32x8	4
NT-A0249	Bar Sieve	5 mm	34x32x8	4
NT-A0250	Bar Sieve	6,3 mm	34x32x8	4
NT-A0251	Bar Sieve	8 mm	34x32x8	4
NT-A0252	Bar Sieve	10 mm	34x32x8	4
NT-A0253	Bar Sieve	12,5 mm	34x32x8	4
NT-A0254	Bar Sieve	16 mm	34x32x8	4
NT-A0255	Bar Sieve	20 mm	34x32x8	4
NT-A0256	Bar Sieve	25 mm	34x32x8	4
NT-A0257	Bar Sieve	31,5 mm	34x32x8	4
NT-A0258	Bar Sieve	40 mm	34x32x8	4



AGGREGATE

Sand Equivalent Test Set EN / ASTM Compliant

PRODUCT CODE

NT-A0050A Sand Equivalent Test Set, ASTM

NT-A0050E Sand Equivalent Test Set, EN

NT-A0051A Sand Equivalent Acrylic
Measure, ASTM

NT-A0051E Sand Equivalent Acrylic
Measure, EN

NT-A0055 Sand Equivalent Test Set
Stock Solution



STANDARDS

AASHTO T176, ASTM D2419, EN 933-8

SPECIFICATIONS

The Sand Equivalent Test Set is a laboratory test equipment used to determine the cleanliness and percentage of clay-like fines in fine aggregates (sand, crushed stone dust, etc.) in infrastructure and superstructure projects, soil engineering applications, and university and R&D laboratories. This test has a critical role in determining the suitability of materials for use in asphalt and concrete mixtures. The test set quickly and accurately analyzes the proportion of undesirable plastic and clay-like substances found in aggregates, providing data that directly impacts the durability and performance of building materials.

The test process involves settling an aggregate sample mixed with a solution and determining the proportion of sand and clay-like fine particles.

The set includes:

4 Clear Acrylic Graduated Cylinders ASTM or EN

4 Clear Acrylic Graduated Cylinders EN

2 Hard Rubber Stoppers

1 500 mm Stainless Steel Ruler

1 Wide-Mouth Plastic Funnel

1 5-Liter Plastic Drum

1 Siphon Fitting

1 Carrying Case

Stock Solution needs to be ordered separately.



AGGREGATE

MOTORISED SAND EQUIVALENT SHAKER CİHAZI EN - ASTM

PRODUCT CODE

NT-A0150 Motorized Sand Equivalent
Shaker EN / ASTM

STANDARDS

AASHTO T176, ASTM D2419, EN 933-8

SPECIFICATIONS



The Motorized Sand Equivalent Shaker is a specialized testing device used to determine the cleanliness and clay content of fine aggregates (such as natural sand and crushed stone dust). This device ensures repeatability and accuracy of the sand equivalent test in accordance with EN and ASTM standards.

Automatic Test Cycle: The device provides a constant and smooth oscillating movement and stops automatically at the end of the test period.

Movement Adjustment:

Horizontal Oscillation : 200 mm $\pm$ 10 mm (EN) / 203.2 mm $\pm$ 1 mm (ASTM)

Oscillation Speed : 90 $\pm$ 3 seconds / 30 seconds (EN) – 175 $\pm$ 2 seconds / minute (ASTM)

Test duration can be precisely adjusted from the digital screen, and the device automatically shuts down when the test is completed.

User Safety: A safety enclosure is required for sales in CE markets. The device automatically shuts down when the protective cover is opened.



AGGREGATE

LOS ANGELES ABRASSION TEST MACHINE

Los Angeles Aşındırma Test Cihazı

Los Angeles Abrasion Machine for Aggregate Fragmentation Testing

PRODUCT CODE

NT-A0060 Los Angeles Abrasion Machine

NT-A0062A Ball set as per ASTM standards

NT-0062E Ball set as per EN standards

STANDARDS

ASTM C131 EN 12697-17 NF P18-573

AASHTO T96 CNR N. 34 UNI EN 1097-2

SPECIFICATIONS



The Los Angeles abrasion test is a fundamental device for assessing the resistance of aggregates to abrasion and fragmentation. It is designed to comply with major international standards for material durability testing.

Easily set to ASTM and EN standards. Can be set to desired number of rotations.

The device consists of a cylindrical steel drum with an inner diameter of 711 mm and an inner length of 508 mm and an electronic control unit. The drum rotates at a speed of 31-33 rpm.

Device has an automatic counter that automatically stops when a preset number of cycles have been completed. A tray is included for easy sample removal.

As per EN standards, the abrasive ball set and 1.6 mm sieve and as per AASHTO and ASTM standards the abrasive ball set and 1.7 mm mesh size sieve needs to be ordered separately.



AGGREGATE

METHYLENE BLUE TEST SET

PRODUCT CODE

NT-A0350 Methylene Blue Test Set

NT-A0351 Methylene Mixer (400/600 rpm) and Stand

NT-GS0755 Burette 50 mL. x 0.1 ml

NT-GS0780 Glass baguette, Ø8x300 mm

NT-GP0070 Plastic Beaker, 1000 ml.

STANDARDS

EN 933-9

SPECIFICATIONS

The Methylene Blue Test is a method used to determine the clay content in the fines fraction of aggregates.

Fine aggregate refers to the smaller particles, typically passing through a 4.75 mm (No. 4) sieve, that are used in the production of concrete or other construction materials.

The test involves measuring the amount of clay or fine material present on the surface of the aggregate particles. The presence of excessive clay or fines can have a significant impact on the properties of concrete, such as workability, strength, and durability. The Methylene Blue Test helps in determining the clay content, which can then be used to assess the suitability of the aggregate for use in concrete.

Methylene Blue Test set consists of;

Mixer 400/600 r.p.m.

Burette, 50 ml x 0.1 ml

Burette stand and holder

Glass rod, Ø8x300 mm

Plastic Beaker, 1000 ml





AGGREGATE

Micro-Deval Test Apparatus

Laboratory-Type Testing Device for Determining the Resistance of Aggregates to Wear

PRODUCT CODE

NT-A0230 Micro-Deval Test Apparatus

NT-A0232 Ø200 x 154 mm (EN 1097-1),
Stainless Steel Drum

NT-A0234 Ø200 x 400 mm (EN 13450),
Stainless Steel Drum

NT-A0236 Stainless steel ball set Ø10 mm,
weight 20 kg

STANDARDS

**EN 1097-1, EN 13450, ASTM D6928,
ASTM D7428**

SPECIFICATIONS

The Micro-Deval Test Apparatus is designed to determine the resistance to wear of 25–50 mm sized aggregates.

This test is conducted in accordance with international standards to evaluate the durability of materials used in applications such as road construction and railway ballast. The device can operate with 4 drums of Ø200 x 154 mm or 2 drums of Ø200 x 400 mm. Drum rotation speed is 100 ± 5 rpm. Device is equipped with a user-adjustable digital automatic revolution counter, and the device stops automatically at the end of the test.

Drums and steel balls must be ordered separately.

NT-A0232 Ø200 x 154 mm (EN 1097-1), Stainless Steel Drum

NT-A0234 Ø200 x 400 mm (EN 13450), Stainless Steel Drum

NT-A0236 Stainless steel ball set Ø10 mm, weight 20 kg





AGGREGATE

LARGE CAPACITY SAMPLE SPLITTER

PRODUCT CODE

NT-A0420 Large capacity sample splitter

STANDARDS

EN 932-3, BS 812:1, 1377:1, 1924:1

SPECIFICATIONS

The Large capacity sample splitter is used to divide representative dry samples into the required batch sizes for testing.

It is manufactured from powder-coated steel. The upper section of the divider has two lids that can be opened using the manual lever.

The lower section contains a total of 48 movable steel bars, each 12.5 mm wide. The chutes for different samples can be adjusted by moving these bars reciprocally.





AGGREGATE

SPECIFIC GRAVITY TEST SET

PRODUCT CODE

NT-A0010 Specific gravity test set

NT-A0015 Cradle for concrete samples

NT-GS0005 Stainless steel wire basket

Ø200 mm x 200 mm height, 2 mm wire mesh

NT-GS0006 Stainless steel wire basket

Ø250 mm x 250 mm height, 2 mm wire mesh

STANDARDS

**AASHTO T85, ASTM C127, BS 812:2,
EN 1097-6, EN 12390-7**

SPECIFICATIONS

Specific gravity frame feature a robust, custom-made frame specifically designed to support the electronic balance.

There is a movable platform at the bottom of the frame that holds a plastic water tank, allowing test samples to be weighed both in air and in water. The plastic water tank is supplied with the specific gravity frame.

The wire basket, sample rack, and scale must be ordered separately.

Any electronic balance that allows bottom weighing facility can be used with the frame. For more information, see the Scales section in the related products section.





AGGREGATE

Pycnometer with Conical Screw Cap

PRODUCT CODE

NT-A0211 Pycnometer with conical screw top

STANDARDS

ASTM D854, BS 1377:2, BS 812:2

SPECIFICATIONS

Glass pycnometer supplied complete with non-corrodible cone and rubber seal.

It is used to determine specific gravity/grain properties in aggregates.





AGGREGATE

LENGTH (ELONGATION) GAUGE
THICKNESS (FLAKINESS) GAUGE

PRODUCT CODE

NT-A0540 Thickness (Flakiness) gauge

STANDARDS

BS 812:105.1

SPECIFICATIONS

The flakiness template is used to determine whether the amount of flakiness within the aggregate mass is within acceptable limits (whether it is smaller than 0.6 times the average sieve mesh size for the specific grain class).

The mesh sizes are 4.9x30 mm, 7.2x40 mm, 10.2x50 mm, 14.4x60 mm, 19.7x80 mm, 26.3x90 mm, and 33.9x100 mm.



PRODUCT CODE

NT-A0541 Length (Elongation) gauge

STANDARDS

BS 812:105.2

ÜRÜN TANIMI

The Length Determination Apparatus is used to determine the length index of coarse aggregates. If the aggregate grain length exceeds 1.8 times the average sieve mesh size, the measured aggregate is considered longer than normal. It is divided into six different grain classes, ranging from 50 mm to 6.3 mm, and each grain class is measured separately.





AGGREGATE

THICKNESS (FLAKINESS) SIEVE SET

PHYSICAL AND GEOMETRICAL PROPERTIES

PRODUCT CODE

NT-A0240 Thickness (Flakiness) Sieve Set

STANDARDS

BS 812:105.1

SPECIFICATIONS



The flakiness sieve set is used to determine whether the amount of flakiness within the aggregate mass is within acceptable limits (whether it is smaller than 0.6 times the average sieve mesh size for the specific grain class).

Consists of 7 sieves having mesh sizes 4.9x30 mm, 7.2x40 mm, 10.2x50 mm, 14.4x60 mm, 19.7x80 mm, 26.3x90 mm, and 33.9x100 mm.

In order to evaluate the thickness index of aggregates a thickness gauge can be used instead of sieve set.