



Standard Sand CEN EN 196-9

Cement hydration heat measure by semi-adiabatic method

USAGE

This sand is used for the measurement of the heat of hydration of cements by semi-adiabatic calorimetry according to the Langavant method.

The semi-adiabatic method consists in introducing mortar in a calorimeter to determine the quantity of released heat.

Mortar Proportions are :

Standard Sand	1080 g (+/-1g)
Cement	360g (+/-1g)
Water	180g (+/- 0.5g)
Ration W/C	0,5

TECHNICAL CHARACTERISTICS

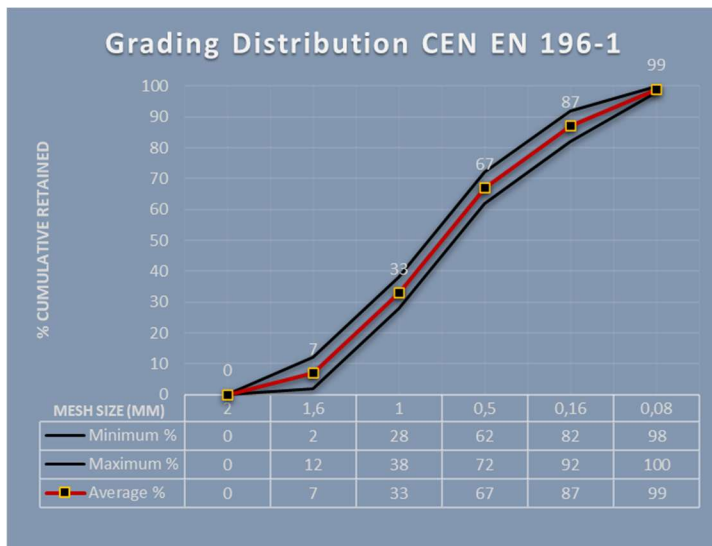
The CEN standard sand (ISO standard sand) is a natural and siliceous sand (silica > 98%)

The grains are rounded in shape. The sand is washed, dried, sieved and prepared in a modern workshop offering all guarantees of quality and regularity.

The sand is packaged in polyethylene bags, each containing 1080 +/- 1g.

CONTROLS

The particle size composition determined by sieving complies with the requirements of standards EN 196-1 (§ 5) and ISO 679: 2009 (§ 5)



The other controls are bag mass, humidity level measurements and mechanical strength checks, according to the requirements of standards EN 196-1 (§ 11) and ISO 679: 2009 (§ 11).

For maximum sand's regularity and neutrality in the mortars, the SNL performs other regular tests such as absence of chlorine, clay-type pollutant (blue method) and absorption rate.

COMPLIANCE

Compliance with the standard is checked by the L.E.M.V.P. (Laboratoire d'Essais des Matériaux de la Ville de Paris), 15 rue Jean Baptiste Berlier 75013 PARIS.

Certificate of compliance to the European standard is issued by AFNOR (Association Française de Normalisation), 11 Rue Francis de Pressensé – 93571 La Plaine Saint Denis Cedex.

PACKAGING

Deliveries are made by unit / carton of 20 bags weighing 21.6 kg.

Our pallets include 2 to 54 boxes, protected by a polyethylene cover (road and sea transport) with a reinforced carton (sea transport). The export pallets are treated NIMP15.

For optimization, transport facilitation and pallet robustness, we advise to select the regular pallet of 45 boxes.