

SABLE NORMALISE CEN  
CERTIFIE CONFORME –  
EN 196.1 par l'AFNOR et conforme ISO 679

20-30 SAND  
ASTM C778

Contrôlé par le Laboratoire d'Essais des Matériaux de  
la Ville de Paris (L.E.M.V.P.)  
4 Avenue du Colonel Henri Rol-Tanguy  
75014 PARIS

Testing of hydraulic Cement  
Specifications of standard sand

### 1- CHARACTERISTICS

20-30 sand is made of local (French Source) natural silica sand (silica content 99 %), having a water content lower than 0.1 %. The constituent grains of this sand are uncrushed and of rounded form.

The sand is used for testing hydraulic cement in accordance with ASTM C 185 and C 190.

It is packaged in bags of 25 kg. Deliveries are made in unit bag protected by box. They are packaged in pallet of 2 to 40 bags, protected by reinforced box.

### 2- CONTROLS

The grading is determined by EN 933-1. The average grading is as follows :

Square mesh size in (mm)	Percent passing sieve (%)	
	Average grading	C778
1,18	100	100
0,85	95	85 to 100
0,60	3	0 to 5

Difference in air content of mortar made with washed and unwashed sand : 1,1% (requirement < 2%).

### 3- CONFORMITE

Controls are carried out by SNL laboratory.



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## GRADED SAND ASTM C778

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la Ville de Paris (L.E.M.V.P.)  
4 Avenue du Colonel Henri Rol-Tanguy  
75014 PARIS

### Testing of hydraulic Cement Specifications of standard sand

#### 1- CHARACTERISTICS

Graded sand is made of local (French Source) natural silica sand (silica content 99 %), having a water content lower than 0.1 %. The constituent grains of this sand are uncrushed and of rounded form.

The sand is used for testing hydraulic cement in accordance with ASTM C 109.

It is packaged in bags of 25 kg. Deliveries are made in unit bag protected by box. They are packaged in pallet of 2 to 40 bags, protected by reinforced box.

#### 2- CONTROLS

Grading is determined by EN 933-1. The average grading is as follows :

Square mesh size in (mm)	Percent passing sieve (%)	
	Average grading	C778
1,180	100	100
0,600	97	96 to 100
0,425	69	65 to 75
0,300	26	20 to 30
0,150	1	0 to 4

Difference in air content of mortar made with washed and unwashed sand : 1,3 % (requirement < 1.5 %).

#### 3- CONFORMITE

Controls are carried out by SNL laboratory.