



CE MARKING

Revision 08/19/2024 – reason: Update of some technical data.

Aggregates for NOT-structural concrete and mortars (system 4)

CE conformity marking:	CE
Name and address of the manufacturer:	VALLI GRANULATI srl - Via Selva, 20 – 24060 ZANDOBBIO (BG) Tel: + 39 035 940249 fax: + 39 035 943256 e-mail: info@valligranulati.it
Last two digits of the year in which the marking was applied:	13
Reference DOP No. (Declaration of Performance):	QMAC-2024-08
European reference standards:	UNI EN 12620:2008 - UNI EN 13139:2003
Product Description:	GROUND QUARTZ (for NOT-structural concrete and mortars)

CHARACTERISTICS	SIZE										
	5RD	(see note 1)	(see note 2)	(see note 3)	(see note 4)	(see note 5)	1/2 mm	1/3 mm	3/6 mm	6/9 mm	
Commercial name	FILLER	0/1	0/1	0/1	0/2	0/4	0/4	0/4	2/8	4/10	
Granulometric designation FILLER 0/1	FILLER	0/1	0/1	0/1	0/2	0/4	0/4	0/4	2/8	4/10	
type of aggregate (see ***)	FILLER	FINE	FINE	FINE	FINE	FINE	FINE	FINE	BIG	BIG	
Category (G)	-	Gf85	Gf85	Gf85	Gf85	Gf85	Gf85	Gf85	Gc85/20	Gc85/20	
Content of purposes (f)	SE4	F10	f3	f3	f3	f3	f3	f3	f3	f3	
Quality of the ends (%)	MB0,2	<10%	<3%	<3%	<3%	<3%	<3%	<3%	<3%	<3%	
Density of granules	>2,5										
Water absorption (% WA)	≤ 1%	≤ 1%	NPD	≤ 1%	NPD	≤ 1%	≤ 1%	NPD	NPD	≤ 1%	
Chlorines (% C)	<0.003%										
Acid-soluble sulphates (AS)	< 0.50%										
Total Sulfur (% S)	< 0.3 %										
<p>note 1 : S 0/250 micron 5SN ; 0/SS 40/200 micron LIGHT ; 40/200 micron LIGHT ; 40/200 micron DARK</p> <p>note 2 : 0,1/0,3 mm ; 40-RVFD 0,1/0,3 mm BIANCO ; 0,1/0,5 mm SCURO ; 40-RVD 0,1-0,5 mm BIANCO ; 0,3/0,5 mm ; 40/CN 0,3-0,5 mm BIANCO ; 40-SF 0,2-0,67 mm ; 0,4/0,8 mm ; 40/1 0,4/0,8 mm</p> <p>note 3 : Sand 2 S 0-1 mm ; 0-700 micron SPECIAL</p> <p>note 4 : 0,8/1,2 mm ; 1/A 0,8/1,2 mm ; 0,8/1,7 mm - 1/G</p> <p>note 5: Wet grain Sand 1 S 0.5/1.5 mm</p>											

CHARACTERISTICS VALID FOR ALL SIZE:								
Humica Substance (see *)	absent							
Origin and deposit (see ***)	Natural origin, non-marine, Crushed, stored or processed in Zandobbio - BG - ITALY							
	destination or type of aggregate	UNI IN 12620	UNI IN 13139		destination or type of aggregate	UNI IN 12620	UNI IN 13139	
Form granules (flattened FI)	-	No.	No.		Frost/thaw durability (F)	areas subject to freeze/thaw	≤ 0,2%, F1	No.
Shell content (SC)	(***) marine aggregates	NPD	NPD		Durability alkali reaction-silica	conditions with certain types of silica	0,42% BM0.2 BML0.33/0.48	No.
Fragmentation resistance (LA)	high resistance concrete	LA ≤ 40	-		Light organic impurities (CLS surface finish alteration)	(*) adj. with noun Organic	<0.04%	<0,04%
Release other dangerous substances	-	No.	No.		Drying shrinkage (% WS)	concrete with possible shrinkage cracks	NPD	(only for aggr. industr.)
Resist. Smoothness (VL)	wear layers	No.	-					
Abrasion Resist. (AAV)		NPD	-					
Res. MicroDeval Usury (MDE)		NPD	-					
Resist pneum. Chiodati (AN)		NPD	-					
Carbonate content (% CO2)		No.	-					

NR = no requirement (the feature was not requested)

NPD = no performance determined (the characteristic is not subject to prescription requirements for the intended use)