



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):	QGRI-2024-08
European reference standards:	UNI EN 12620:2008 UNI EN 13139:2003
Product Description:	SPHERICAL SAND / QUARTZ SPHERICAL GREY (for NOT-structural concrete and mortars)

CHARACTERISTICS	SIZE									
	0,06/0,2 5 mm	0,1/0,5 mm	0,3/0,9 mm	0,7/1,2 mm	1/1,7 mm	1,5/2,2 mm	2/3,2 mm	3/5,6 mm	5/8 mm	
Commercial name										
Granulometric designation	0/1	0/1	0/1	0/2	0/2	0/4	0/4	2/8	4/8	
type of aggregate (see ***)	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)	f3	f3	f3	f3	f3	f3	f3	f3	f3	
Quality of the ends (%)	<3%	<3%	<3%	<3%	<3%	<3%	<3%	<3%	<3%	
Density of granules	>2,5									
Water absorption (% WA)	≤ 1 %	1,7%	NPD	NPD	NPD	0,2%	NPD	NPD	≤ 1 %	
Chlorines (% C)	<0.003%									
Acid-soluble sulphates (AS)	< 0.20 %									
Total Sulfur (% S)	< 0.30 %									

CHARACTERISTICS VALID FOR ALL SIZE:								
Humica Substance (see *), xi FINI	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 EN 12620	UNI IN 13139	
Form granules (flattened FI)	-	No.	No.	Durability to frost/thaw (F)	areas subject to freeze/thaw	0,8% F1	No.	
Shell content (SC)	(***) marine aggregates	NPD	NPD					
Fragmentation resistance (LA)	high resistance concrete	LA ≤ 30	-		Alkali-silica reaction durability	conditions with certain types of silica	RA2	No.
Release of other hazardous substances	-	No.	No.					
Resist. Smoothness (VL)	wear layers	No.	-		Light organic impurities (CLS surface finish alteration)	(*) agg. with organic nouns	<0.05%	<0.05%
Abrasion Resist. (AAV)		NPD	-					
Res. MicroDeval Usury (MDE)		NPD	-					
Resist pneum. Chiodati (AN)		NPD	-	Withdrawal for drying. (% WS)	concrete with possible shrinkage cracks	NPD	(only for aggr. industr.)	
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)