



CE marking

Revision dated 09/25/24 – reason:
update some technical data.

Aggregates for NON-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 PDO No. (Declaration of Performance):	QBCS-2024-09
Reference European standards:	UNI EN 12620:2008 , UNI EN 13139:2003
Product Description:	BCS SPHERICAL QUARTZ (for NON-structural concrete and mortars)

CHARACTERISTICS	GRANULOMETRIES			
Trade name	413 0.06/0.2 mm RKB2	320 0.1/0.3 mm	260 0.3/0.8 mm	685 0.7/1.2 mm
Granulometric designation	0/1	0/1	0/1	0/2
type of aggregate (see ***)	END	END	END	END
Category (G)	Gf85	Gf85	Gf85	Gf85
Content of purposes (f)	f3	f3	f3	f3
Quality of the ends (%)	<3%	<3%	<3%	<3%
Density of granules	>2.5			
Water absorption (% WA)	<1%			
Chlorides (% C)	<0.003%			
Acid-soluble sulfates (AS)	< 0.80%			
Total Sulfur (% S)	< 0.50 %			

CHARACTERISTICS VALID FOR ALL GRANULOMETRIES:							
Humic Substrates (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 EN 12620	UNI EN 13139		destination or type of aggregate	UNI EN 12620	UNI EN 13139
Forms granules (flattened FI)	---	NR	NR		Freeze/thaw durability (F)	areas subject to freeze/thaw	NR NR
Shell content (SC)	(***) adj. marine high	NPD	NPD		Durability of alkali-silica reaction	conditions with certain types of silica	RA2 NR
Fragmentation resistance (LA)	resistance concrete	NR	---		Light organic impurities (CLS surface finish alteration)	(*) adj. with noun Organic	<0.05% <0.05%
Release of other hazardous substances Resist. Smoothness (VL)	---	NR	---		Drying shrinkage (% WS)	concrete with possible shrinkage cracks	NPD (only for industrial agg.)
Abrasion Resistance (AAV)	wear layers	NPD	---				
MicroDeval Wear Resistance (MDE)		NPD	---				
Studded pneumatic tyres (AN)		NPD	---				
Carbonate content (% CO2)		NR	---				

NR = no requirement (the feature was not requested)

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