

**CE MARKING of BIANCO ZANDOBBIO**

Revision 07/09/2024 – 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):	BZAN-2024-07
European reference standards:	UNI EN 12620:2008 UNI EN 13139:2003
Product Description:	BIANCO ZANDOBBIO (for concrete and NOT-structural mortars)

CHARACTERISTICS	SIZE								
	0/50 micron FL	0/70 micron F1	0,1/0,5 mm F2	0,4/0,7 mm F7	Miglio	0,8/1,6 mm F4	1,5/2,5 mm Risetta	NO. 1	NO.2
Commercial name									
Granulometric designation	-		0/1	0/1	0/2	0/2	0/4	0/4	2/8
type of aggregate (see ***)	FILLER		FINE	FINE	FINE	FINE	FINE	FINE	THICK
Category (G)	-		Gf85	Gf85	Gf85	Gf85	Gf85	Gf85	Gc85/20
Content of purposes (f)	raisin		f3	f3	f3	f3	f3	f3	F1.5
Quality of the ends (%)	SE1 - MB 0.5		<3%	<3%	<3%	<3%	<3%	<3%	<3%
Density of granules	> 2.8		> 2.7	> 2.7	> 2.7	> 2.7	> 2.7	> 2.7	> 2.7
Water absorption (% WA)	-		1.3%	1.3%	1%	1%	1%	1%	1%
Chlorines (% C)	<0.003%		<0.003%	<0.003%	<0.003%	<0.003%	<0.003%	<0.003%	<0.003%
Acid-soluble sulphates (AS)	< 0.2%		< 0.2%	< 0.2%	< 0.2%	< 0.2%	< 0.2%	< 0.2%	< 0.2%
Total Sulfur (% S)	< 0.4%		< 0.4%	< 0.4%	< 0.4%	< 0.4%	< 0.4%	< 0.4%	< 0.4%

CHARACTERISTICS	SIZE								
	0,1/0,3 mm	0,3/0,7 mm	000 0,6/1 mm	000 0,7/1,2 mm	00 FINE 1/1,2 mm	00 1,2/1,8 mm	0 1,8/2,5 mm		
Commercial name									
Granulometric designation	0/1	0/1	0/1	0/2	0/2	0/2	0/4		
type of aggregate (see ***)	FINE	FINE	FINE	FINE	FINE	FINE	FINE		
Category (G)	Gf85	Gf85	Gf85	Gf85	Gf85	Gf85	Gf85		
Content of purposes (f)	f10	f3	f3	f3	f3	f3	f3		
Quality of the ends (%)	<10%	<3%	<3%	<3%	<3%	<3%	<3%		
Density of granules	> 2.7	> 2.7	> 2.7	> 2.7	> 2.7	> 2.7	> 2.7		
Water absorption (% WA)	-	1.3%	1.3%	1%	1%	1%	1%		
Chlorines (% C)	<0.003%	<0.003%	<0.003%	<0.003%	<0.003%	<0.003%	<0.003%		
Acid-soluble sulphates (AS)	< 0.2%	< 0.2%	< 0.2%	< 0.2%	< 0.2%	< 0.2%	< 0.2%		
Total Sulfur (% S)	< 0.4%	< 0.4%	< 0.4%	< 0.4%	< 0.4%	< 0.4%	< 0.4%		

CHARACTERISTICS VALID FOR ALL SIZE:								
Humica Substance (see *), for 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 IN 12620	UNI IN 13139	
Form granules (flattened FI)	-	No.	No.		Frost/thaw durability (F)	areas subject to frost/thaw	≤ 0.8% F1	No.
Shell content (SC)	(***) marine aggregates	NPD	NPD			Alkali-silica reaction durability	agg. with certain types of silica	RA0
Fragmentation resistance (LA) Release of other hazardous substances Resist.	high resistance concrete	LA ≤ 30	-		Light organic impurities (CLS surface finish alteration)		(*) adj. with noun Organic	< 0.05%
Smoothness (VL)		No.	-			Drying shrinkage (% WS)	concrete with possible shrinkage cracks	NPD
Abrasion Resist. (AAV)	wear layers	NPD	-					
Res. MicroDeval Usury (MDE)		NPD	-					
Resist pneum. Chiodati (AN) Carbonate content (% CO2)		NPD	-					

NR = no requirement (the feature was not requested)

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