

**CE MARKING**Revision 07/22/2024 – reason:  
Update of some technical data**Aggregates for NOT-structural concrete and mortars (system 4)**

CE conformity marking:	<b>CE</b>
Name and address of the manufacturer:	<b>VALLI GRANULATI srl - via Selva, 20 – 24060 ZANDOBBIO (BG)</b> 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:	<b>13</b>
Reference DOP No. (Declaration of Performance):	<b>SABTI-2024-07</b>
European reference standards:	<b>UNI EN 12620:2008      UNI EN 13139:2003</b>
Product Description:	<b>TICINO SAND (for concrete and NOT-structural mortars)</b>

CHARACTERISTICS	SIZE									
	503 0,1/0,35 mm	504 0,1/0,45 mm	505 0,1/0,6 mm	0,3/0,6 mm	510 0,5/1 mm	510 PLUS 0,35/1,2 mm	515 0,4/1,5 mm	530 1,5/3 mm	2-3 mm o 2/3,5 mm	
Commercial name										
Granulometric designation	<b>0/1</b>	<b>0/1</b>	<b>0/1</b>	<b>0/1</b>	<b>0/2</b>	<b>0/2</b>	<b>0/2</b>	<b>0/4</b>	<b>0/4</b>	
type of aggregate (see ***)	FINE	FINE	FINE	FINE	FINE	FINE	FINE	FINE	FINE	FINE
Category (G)	Gf85	Gf85	Gf85	Gf85	Gf85	Gf85	Gf85	Gf85	Gf85	Gf85
Content of purposes (f)	F10	f3	f3	f3	f3	f3	f3	f3	f3	f3
Quality of the ends (%)	<10%	<3%	<3%	<3%	<3%	<3%	<3%	<3%	<3%	<3%
Density of granules	>2,5	>2,5	>2,5	>2,5	>2,5	>2,5	>2,5	>2,5	>2,5	>2,5
Water absorption (% WA)	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%
Chlorines (% C)	<0.003%	<0.003%	<0.003%	<0.003%	<0.003%	<b>&lt;0.003</b> %	<b>&lt;0.003%</b>	<b>&lt;0.003%</b>	<b>&lt;0.003%</b>	<b>&lt;0.003%</b>
Acid-soluble sulphates (AS)	< 0.20 %	< 0.20 %	< 0.20 %	< 0.20 %	< 0.20 %	< 0.20 %	< 0.20 %	< 0.20 %	< 0.20 %	< 0.20 %
Total Sulfur (% S)	< 0.40 %	< 0.40 %	< 0.40 %	< 0.40 %	< 0.40 %	< 0.40 %	< 0.40 %	< 0.40 %	< 0.40 %	< 0.40 %

CHARACTERISTICS	SIZE									
	4/6 mm	6/10 mm								
Commercial name										
Granulometric designation	<b>4/8</b>	<b>4/10</b>								
type of aggregate (see ***)	BIG BIG									
Category (G)	Gc85/20 f3	Gc85/20								
Content of purposes (f)		f3								
Quality of the ends (%)	<3%	<3%								
Density of granules	>2,5	>2,5								
Water absorption (% WA)	<1%	<1%								
Chlorines (% C)	<b>&lt;0.003%</b>	<b>&lt;0.003%</b>								
Acid-soluble sulphates (AS)	<b>&lt; 0.20 %</b>	<b>&lt; 0.20 %</b>								
Total Sulfur (% S)	<b>&lt; 0.40 %</b>	<b>&lt; 0.40 %</b>								

CHARACTERISTICS VALID FOR ALL SIZE:								
Humic 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		intended. type of aggregate	UNI EN 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		Alkali-silica reaction durability	conditions with certain types of silica	RA2	No.
Fragmentation resistance (LA)	high resistance concrete	≤LA 30	-		Light organic impurities (CLS surface finish alteration)	(*) agg. with organic nouns	< 0.04 %	< 0.04 %
Release of other hazardous substances Resist. Smoothness (VL)		No.	-		Drying shrinkage (% WS)	concrete with possible shrinkage cracks	NPD	(for industrial use only)
Abrasion Resist. (AAV)		NPD	-					
Res. MicroDeval Usury (MDE)	wear layers	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)