



DECLARATION OF PERFORMANCE (DoP)

		TICINO SAND													
1. Unique identification code of the product type:		Note - the "batch" is identified by the date shown on the PACKAGING and/or DDT. This DoP is valid for batches produced from the date of issue of this DoP until the next one (downloadable from the website).													
2. Intended uses:		Aggregate for concrete (EN 12620) and not-structural mortars (EN 13139).													
3. Manufacturer:		VALLI GRANULATI srl				Tel: + 39 035 940249 Fax: + 39 035 943256									
		Via Selva, 20 – 24060 ZANDOBBIO (BG)				www.valligranulati.it		info@valligranulati.it							
4. Agent:		not applied (DoPs and technical documentation are kept by the manufacturer).													
5. Systems for the Evaluation and Verification of Consistency of Performance:		System 4				System 4									
6a. Harmonized Standards:		UNI EN 12620:2008				UNI EN 13139:2003									
		Notified control bodies: not applicable (not provided for by the regulations for "System 4")													
6b. European Technical Assessment:		not applicable (there are "harmonised technical standards" for these products).													
7. Declared performance:		type of aggregate: natural (<i>non-marine, non-industrial, non-recycled</i>) as per point 3 of the Arm Standards.													
commercial name :		503		504		505		510		510 Plus		515			
		0.1/0.35 mm		0.1/0.45 mm		0.1/0.6 mm		0.3/0.6 mm		0.5/1 mm		0.35/1.2 mm		0.4/1.5 mm	
Form	Granulometric designation	0/1		0/1		0/1		0/1		0/2		0/2		0/2	
	Category	Gf85		Gf85		Gf85		Gf85		Gf85		Gf85		Gf85	
	Shape of the granules														
	Density of granules	>2.5													
	Water absorption	<1%													
Cleaning	Content of purposes	f10		f3		f3		f3		f3		f3		f3	
	Quality of purposes	<10%		<3%		<3%		<3%		<3%		<3%		<3%	
Content	Chlorides	<0.003%													
	Soluble sulphates	< 0.20 %													
	Total Sulfur	< 0.40 %													
	Carbonate	NPD													
Speed of grip	Humic substance	absent													
	Fulvic acid	NPD													
	Organic contaminants	NPD													
Finite upper	impurity light organ	< 0.04 %													
Subst. Danger.	radioactive heavy metals	NPD													
	Polyaromatic Carbides	NPD													
	Other substances	NPD													
Durability	alkali-silica freeze/thaw reaction	≤ 0,2% F1													
		RA2													
Resistance	Fragment (Los Angeles)	≤LA 30													
	Wear (Micro Deval)	NPD													
	Smoothness	NPD													
	Abrasion	NPD													
	Abras. from studded tires	NPD													
<p>NPD = no performance determined (the characteristic is not subject to prescription requirements for the intended use)</p> <p>Irrelevant performances : shell content (aggreg. of marine origin), volume stability and fire loss (aggreg. of industrial origin)</p>															

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7. Declared performance:		type of aggregate: natural (<i>non-marine, non-industrial, non-recycled</i>) as per point 3 of the Arm Standards.			
commercial name :		530 1.5/3 mm	2/3 mm or 2/3.5 mm	4/6 mm	6/10 mm
Form	Granulometric designation	0/4	0/4	4/8	4/10
	Category	Gf85	Gf85	Gc85/20	Gc85/20
	Shape of the granules	NPD			
	Density of granules	>2.5			
	Water absorption	<1%			
Cleaning	Content of purposes	f3	f3	f3	f3
	Quality of purposes	<3%	<3%	<3%	<3%
Content	Chlorides	<0.003%			
	Soluble sulphates	< 0.20 %			
	Total Sulfur	< 0.40 %			
	Carbonate	NPD			
Speed of grip	Humic substance	absent			
	Fulvic acid	NPD			
	Organic contaminants	NPD			
Top End Impurity	Organic light	< 0.04 %			
Subst. Danger.	Radioactive, heavy metals	NPD			
	Polyaromatic Carbides	NPD			
	Other substances	NPD			
Durability	to the freezing/thawing	≤ 0,2% F1			
	alkali-silica reaction	0.45% - BM0.2 BML0.33/0.48			
Resistance	Fragment (Los Angeles)	≤LA 30			
	Wear (Micro Deval)	NPD			
	Smoothness	NPD			
	Abrasion	NPD			
	Abras. from studded tires	NPD			

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

Irrelevant performances : shell content (aggreg. of marine origin), volume stability and fire loss (aggreg. of industrial origin)

8. Appropriate and/or specific technical documentation: the "simplified procedures" do not apply (art. 36, 37 and 38, CPR 3052011).

The performance of the product identified above is in conformity with the set of declared performances. This declaration of liability is issued, in accordance with Regulation (EU) No. 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:
(Costantino Valli, legal representative)

Costantino VALLI
Costantino Valli

Place and date of issue:

Zandobbio (BG), 22/07/2024