



## CONTROL DE CALIDAD - LABORATORIO

GOMEZ VALLEJO, S.A.

ARENAS SILICEAS ESPECIALES  
Ctra. Segovia – Arévalo Km 3,6 – 40196 Segovia  
Tfno. 921 430 861 Fax. 921 430 350  
e-mail: laboratorio@silicesgomezvallejo.com



### TECHNICAL FILE OF THE PRODUCT: GV 3 - 5 mm WET DEPURATION / FILTRATION

#### SPECIFICATIONS:

CHARACTERISTICS	% ACUMULADO
Retained in mesh (8,000 mm.)	Max 1 %
Retained ( 6,300 mm.)	0 - 5 %
Retained ( 3,150 mm. )	90 - 100 %
Retained ( 3,150 mm. )	Max 10 %



#### PHYSICO CHEMICAL CHARACTERISTICS:

SiO <sub>2</sub> :	> 98,00 %	MgO :	< 0,05 %	Loss to fire:	< 1,01 %
Al <sub>2</sub> O <sub>3</sub> :	< 0,50 %	Na <sub>2</sub> O :	< 0,06 %	Humidity:	0 - 7 %
Fe <sub>2</sub> O <sub>3</sub> :	< 0,40 %	K <sub>2</sub> O :	< 0,40 %	Hardness:	7 mohs
CaO :	< 0,10 %	TiO <sub>2</sub> :	< 0,02 %	Seeming density:	1,4-1,7 Kg/m <sup>3</sup>
Soluble materials inacid.	< 0,8 %	Soluble materials in water	Inert and no reactive	Solubility:	No soluble in water and mineral acids
Heavy metals (Pb, Cd, Hg, Zn, As, Cr, Se, Ni, Sb, Cn <sup>-</sup> )				Are not detected	

#### MARKING CE THE ARID :

COMMERCIAL NOUN:	SILICA 3 - 5 mm WET	
Size:	3 - 5	(d / D)
Particles shape:	N.P.D	(F1)
Particles density as UNE-EN 1097-6	2,4 - 2,6	(Mg / m <sup>3</sup> )
Content in shells:	N.A.	(SC)
Fines as UNE-EN 13139 (anexo C):	< 3 %	(%, BM, ES)
Composition / content		
Chlorides as UNE-EN 1744-1:	0	(% C)
Soluble sulphates in acid UNE-EN 1744-1:	AS <sub>0,2</sub>	
Total sulfur as UNE-EN 1744-1:	< ó = 0,2	(% S)
Components that modify the setting time and the hardening of the mortar as UNE-EN 1744-1:	NO CONTAINS	Time (min)
Material soluble in water:	N.A.	R. Comp (S en %)
Water absorption as UNE-EN 1097-6:	< ó = 1	(WA)
Resistance to freezing or unfreezing (EN 1367-1 / 2):	N.P.D.	(F o MS)
Reactivity chemical bases / silical as UNE-EN 13139 (anexo C):	NO REACTIVE	

#### COMPLIANCE WITH STANDARDS:

**ISO 9001:2015:** Quality management system certificate with registration number ER-0156/1999

**CE Certificate** of factory production control with certificate number: 0099/CPD/A60/0120. Application rules:

**UNE-EN 13139:** "Aggregates for mortars"

**UNE-EN 13043:** "Aggregates for bituminous mixtures and surface treatments of roads, airports and other paved areas".

Compliance with the **UNE-EN 12902:2006 standard**: "Chemical products used for the treatment of water intended for human consumption. Inorganic filtration and support materials".

Compliance with the **UNE-EN 12904:2006 standard**: "Chemical products used in the treatment of water intended for human consumption. Quartz sand and gravel".

**ROYAL DECREE 03/2023** of 10 the January establishing the sanitary criteria for the quality of water for human consumption and modifications.

**SANITARY REGISTRATION;** Registration number: 39.004454/SG