

 1035
CANTERAS Y HORMIGONES SANTANDER S.L. BP LA VENTA S/N - 39608 IGOLLO DE CAMARGO CANTABRIA - ESPAÑA 04 CANTERA DE ARCE - PIÉLAGOS Nº CERT.: 1035-CPR-ES037756-1

MORTAR															
AGGREGATES FOR MORTAR - EN 13139															
PRODUCT	PRODUCT CODE	PARTICLE SHAPE					CLEANLINESS			COMPOSITION / CONTENT					
		Particle Size	Granulometry			Particle Density	Sand Equivalent	Methylene Blue	Fines Content	Chlorides	Acid Soluble Sulphates	Total Sulphur	Water Absorption	Durability Against Freeze / Thaw	
SAND 0/2	A02-2 MOR	0/2	4 mm- 100%	3 mm- 95-100%	2 mm- 85-99%	2,68 Mg/m ³	S.E. >75	<0,40	Category 4	< 0,01% Cl ⁻	AS _{0,2}	<1% S	0,49%	SM ₁₈	
SAND 0/4	A04-2 MOR	0/4	8 mm- 100%	5,6 mm- 95-100%	4 mm- 85-99%	2,68 Mg/m ³	S.E. >75	NPD	Category 4	< 0,01% Cl ⁻	AS _{0,2}	<1% S	0,49%	SM ₁₈	

CONCRETE															
AGGREGATES FOR CONCRETE - EN 12620															
PRODUCT	PRODUCT CODE	PARTICLE SHAPE				CLEANLINESS			OTHER PROPERTIES			COMPOSITION / CONTENT			
		Particle Size	Granulometry	Particle Shape Flakiness index	Particle Density	Sand Equivalent	Methylene Blue	Fines Content	Resistance to Fragmentation / Crushing	Water Absorption	Durability Against Freeze / Thaw	Chlorides	Acid Soluble Sulphates	Total Sulphur	Constituents which Alter the Rate of Setting and Hardening of Concrete
SAND 0/2	A02-2 HOR	0/2	G ₈₅	NPD	2,68 Mg/m ³	S.E. >75	< 0,40	f ₂₈	NPD	0,49%	SM ₁₈	< 0,01% Cl ⁻	AS _{0,2}	<1% S	pass
SAND 0/4	A04-2 HOR	0/4	G ₈₅	NPD	2,68 Mg/m ³	S.E. >75	NPD	f ₁₆	NPD	0,49%	SM ₁₈	< 0,01% Cl ⁻	AS _{0,2}	<1% S	pass
SAND 0/5	A05-2 HOR	0/5	G ₈₅	NPD	2,68 Mg/m ³	S.E. >65	<0,50	f ₁₆	NPD	0,49%	SM ₁₈	< 0,01% Cl ⁻	AS _{0,2}	<1% S	pass
GRAVEL 4/8	G48-2 HOR	4/8	G _{C 85/20}	Fl ₃₅	2,70 Mg/m ³	NPD	NPD	f _{1,5}	LA ₂₅	0,55%	SM ₁₈	< 0,01% Cl ⁻	AS _{0,2}	<1% S	pass
GRAVEL 4/12	G612-2 HOR	4/12	G _{C 90/15}	Fl ₂₀	2,70 Mg/m ³	NPD	NPD	f _{1,5}	LA ₂₅	0,55%	SM ₁₈	< 0,01% Cl ⁻	AS _{0,2}	<1% S	pass
GRAVEL 10/20	G1220-2 HOR	10/20	G _{C 85/20}	Fl ₁₅	2,70 Mg/m ³	NPD	NPD	f _{1,5}	LA ₂₅	0,55%	SM ₁₈	< 0,01% Cl ⁻	AS _{0,2}	<1% S	pass
GRAVEL 20/32	G2032-2 HOR	20/32	G _{C 85/20}	Fl ₁₅	2,70 Mg/m ³	NPD	NPD	f _{1,5}	LA ₂₅	0,55%	SM ₁₈	< 0,01% Cl ⁻	AS _{0,2}	<1% S	pass



ASPHALT															
AGGREGATES FOR BITUMINOUS MIXTURES - EN 13043 13043															
PRODUCT	PRODUCT CODE	PARTICLE SHAPE					CLEANLINESS			OTHER PROPERTIES					
		Particle Size	Granulometry	Grading Coarse	Particle Shape Flakiness index	Particle Density	Sand Equivalent	Methylene Blue	Fines Content	Percentage of Crushed Particles / Broken Surfaces	Resistance to Fragmentation / Crushing	Durability Against Freeze / Thaw			
SAND 0/5	A05-2 MBC	0/5	G ₈₅	G _{TC NR}	NPD	2,68 Mg/m ³	S.E. > 70	MB ₁₀	f ₁₆	NPD	NPD	SM ₁₈			
GRAVEL 4/12	G612-2 MBC	4/12	G _{C 90/15}	G _{20/15}	Fl ₂₀	2,70 Mg/m ³	NPD	NPD	f _{1,5}	C _{100/0}	LA ₂₅	SM ₁₈			
GRAVEL 10/20	G1220-2 MBC	10/20	G _{C 85/20}	G _{20/15}	Fl ₁₅	2,70 Mg/m ³	NPD	NPD	f _{1,5}	C _{100/0}	LA ₂₅	SM ₁₈			
GRAVEL 20/32	G2032-2 MBC	20/32	G _{C 85/20}	G _{20/15}	Fl ₁₅	2,70 Mg/m ³	NPD	NPD	f _{1,5}	C _{100/0}	LA ₂₅	SM ₁₈			
GRAVEL 20/40	G2040-2 MBC	20/40	G _{C 85/20}	G _{20/15}	Fl ₁₅	2,70 Mg/m ³	NPD	NPD	f _{1,5}	C _{100/0}	LA ₂₅	SM ₁₈			

ROADS															
AGGREGATES FOR UNBOUND AND HIDRAULICALLY BOUND MATERIALS - EN 13242															
PRODUCT	PRODUCT CODE	PARTICLE SHAPE				CLEANLINESS			COMPOSITION		OTHER PROPERTIES				
		Particle Size	Granulometry	Particle Shape Flakiness index	Particle Density	Sand Equivalent	Methylene Blue	Fines Content	Acid Soluble Sulphates	Total Sulphur	Percentage of Crushed Particles / Broken Surfaces	Resistance to Fragmentation / Crushing	Water Absorption	Durability Against Freeze / Thaw	
ALL IN 0/32	Z032-2 ACG	0/32	G ₈₀	Fl ₂₀	2,70 Mg/m ³	S.E. >75	MB < 10	f ₉	AS _{0,2}	<1%	C _{90/3}	LA ₂₅	WA < 5%	SM ₁₈	
ALL IN 0/32	S032-2 ACG	0/32	G ₈₀	Fl ₂₀	2,70 Mg/m ³	S.E. >35	MB < 10	f ₉	AS _{0,2}	<1%	C _{90/3}	LA ₂₅	WA < 5%	SM ₁₈	



ARMOURSTONE - EN 13383						
PRODUCT	PRODUCT CODE	Particle Size	Granulometry	Resistance to Breakage	Resistance to Attrition	Durability against salt crystallisation
ARMOURSTONE	E1000-3000-2	LTA	HMA ₁₀₀₀₋₃₀₀₀	CS ₆₀	M _{Dc30}	MS ₂₅