

Ferroalloys and Additive





Created in 2009, Trasteel Group has become one of the leading players in the steel industry

Trasteel Group was founded in 2009 as the result of the vision of a group of entrepreneurs and professionals with 40 years of international experience in the steel industry.

Today, Trasteel is a trading and industrial Group active in the steel, energy and metallurgical sectors. Headquartered in Lugano, it has over 900 employees operating in four trading desks and various industrial plants in Europe, Middle East and Asia-Pacific.

Leveraging on the combined experience, the mission of the Group is to provide better, deeper and more flexible services to the whole supply chain.

Since the high quality of the supplied materials is not enough to meet the evermore sophisticated needs of the market, Trasteel Group keeps expanding its horizons by maintaining high dynamism and diversification.

Sustainability and innovation are priorities and key aspects for the Group to focus on. Long-term targets are not an easy challenge to face, but Trasteel is committed to broaden its ESG policies.

+150

products supplied

+1.000

specialists worldwide
and growing



DISCOVER MORE
ABOUT OUR ESG VISION

Trasteel network



+50

markets covered

+4.000

customers



DISCOVER MORE ABOUT
THE STEEL MARKET

● **Headquarters**

Switzerland, Luxembourg

● **Trading Offices**

Lugano, Dusseldorf, Dubai, Shanghai, Bayuquan, Buenos Aires, Istanbul, Goma, Singapore, New York, France, Spain, Finland

● **Industrial Premises**

San Giorgio di Nogaro, Massa, Racconigi, Sesto Al Reghena, Cavallerleone, Lombardore (Italy), Nova Pazova (Serbia), Bayuquan (China), Izmir (Turkey)

● **Markets Covered**

EU, United Kingdom, Turkey, Israel, Serbia, Ukraine, Kazakhstan, Uzbekistan, Azerbaijan, U.A.E., Saudi Arabia, Oman, Brazil, Chile, Colombia, Argentina, Perù, Bolivia, Mexico, USA, Canada, Japan, South Korea, China, Malaysia, Indonesia, Philippines, Vietnam, Thailand, Taiwan, Australia, South Africa, Congo (DRC), Egypt, India, Algeria, Morocco, Tunisia, Pakistan, Norway

Ferroalloys ad Additives

Trasteel is active in the sales and distribution of ferroalloys to the steel industries with a strong global presence.

Thanks to our expertise and knowledge of the market, we can provide a vast array of high-quality products to meet the needs of the steel industry.

The objective is to provide added value service by always keeping stock of material on the ground in order to secure prompt delivery from our strategically positioned warehouses.

We have become throughout years a natural relay between producers and customers, able to cope with the partners' needs in a constantly changing logistic environment.

Ferroalloys

FERRO SILICIO	FeSi 75 - Limits
Si	75.00% max.
Al	1.00% max.
C	0.10% max.
P	0.04% max.
S	0.03% max.
Grain Distribution	10-50 mm

FERRO SILICO MANGANESE	SiMn 65 - Limits
Mn	65.00% min
Si	15.00% min
C	2.00% max.
P	0.20% / 0.25% max
S	0.04% max.
Grain Distribution	10-50 mm

HIGH CARBON FERROMANGANESE	FeMn 75 HC - Limits
Mn	75.00% min
Si	1.00% max.
P	0.20% max.
C	6.00% - 8.00% max.
S	0.02% max.
Grain Distribution	10-50 mm

LOW CARBON FERROMANGANESE	FeMn Lc - Limits
Mn	75.00% min
Si	1.00% max.
C	1.00% max.
P	0.18% max.
S	0.03% max.
Grain Distribution	10-50 mm

MEDIUM CARBON FERROMANGANESE	FeMn Mc - Limits
Mn	78.00% min
Si	1.30% max.
C	2.00% max.
P	0.25% max.
S	0.03% max.
Grain Distribution	10-50 mm

LOW CARBON FERROCHROMIUM	FeCr Lc - Limits
Cr	60.00% - 65.00% min
C	0.05 - 0.10% max.
Si	2.00% max.
P	0.03% max.
S	0.03% max.
Grain Distribution	10-50 mm

HIGH CARBON FERROCHROMIUM	FeCr Hc - Limits
Cr	60.00% - 65.00% min
C	6.00% - 8.00% max.
Si	1.00% - 3% max.
P	0,01% - 0,03% max.
S	0,05% max.
Grain Distribution	10-50 mm

HIGH CARBON SILICON ALLOY	Hc Silicon 65 - Limits
Si	65.00% min
C	15% min
Al	3.00% max.
S	0.85% max.
P	0.20% max.
Grain Distribution	10-50 mm

Additives

FLUORSPAR	Limits
CaF ₂	min 97,0 %
SiO ₂	max 1,5 %
CO ₂	max 1,0 %
S	max 0,15 %
Ti	max 0,15 %
Moisture	max 0,5
Grain Distribution GD mm	0 - 1 mm

MgO BRIQUETTES	Limits
MgO	65.0% min
CaO	2.20% max
Fe ₂ O ₃	0.80% max
Al ₂ O ₃	1.20% max
SiO ₂	5.0% max
LOI	30% max
Grain Distribution	0-30 mm / 0-50 mm

METALLURGICAL BAUXITE	Limits
Al ₂ O ₃	82-85%
SiO ₂	7% max
TiO ₂	4% max
Fe ₂ O ₃	2% max
Size	5-15 mm

CALCIUM ALUMINATE	Limits
CaO	45.0 - 60.0 %
Al ₂ O ₃	35.0 - 50.0 %
SiO ₂	max 6.0 %
MgO	3.0 - 10.0 %
Fe ₂ O ₃	max 2.0 %
H ₂ O	max 2.0 %
TiO ₂	max 2.0 %
Melting Point	1,400 - 1,450 °C
Grain Distribution <5mm	max 5 %
Grain Distribution >25mm	max 5

CALCIUM CARBIDE	Limits
Acetylene	285 l/kg min
CaC ₂	74.79%min
PH ₃	0.05%max
H ₂ S	0.02%max
Insoluble in water	0.50%max
CaO free	14.90%max
SiO ₂	3.65%max
C free	1.1%max
S	0.006%max
Al ₂ O ₃	1.95%max
Fe ₂ O ₃	1.1%max

CaSi WIRE	Limits
Ca	30.0% min
Si	60.0% max
Al	1.60% max
C	0.60% max
Fe	5.0% max
S+P	0.05% max
Ø	13.0 mm +/- 0.50 mm
Powder weight	230 gr/m +/- 5.0 gr/m – 1150 Kg/coil
Steel weight	165 gr/m +/- 5.0 gr/m – 850 Kg/coil
Wire weight	395 gr/m +/- 5.0 gr/m – 2000 Kg/coil
Length	5200 m +/- 5.0%
ID	550 mm
OD	1100 mm
Height	1200 mm

CALCIUM SILICATE	Limits
Si	min 60,0 %
Ca	min 30,0 %
Fe	max 7,0 %
Al	Max 1,5 %
Carbon	max 1,0 %
Moisture	max 0,5 %
Grain Distribution GD <0.1mm	10 - 15 %
Grain Distribution GD (0.1-1mm)	min 0,85 %

SILICON CARBIDE	SIC90	SIC95	SIC97
	Limits	Limits	Limits
SiC	90.0 % min	95.0 % min	97.0 % min
Free C.	2.00 % max	0.80 % max	0.80 % max
Fe ₂ O ₃	2.80 % max	1.50 % max	0.60 % max
SiO ₂	3.50 % max	2.50 % max	1.50 % max
Al ₂ O ₃	2.00 % max	1.50 % max	1.00 % max
Grain Distribution	325#, 200#, 0-1/1-3/3-5/5-50 mm		



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