



Innovation by experience

CalciPro® is a cored wire product for highly efficient Calcium-treatment of steel.

Cored-wire injection is an automated method to introduce powders of poor soluble elements into molten steel. Introduced Calcium revises harmful inclusions, when appropriate amounts are dissolved. Its high affinity to oxygen and sulfur is essential.

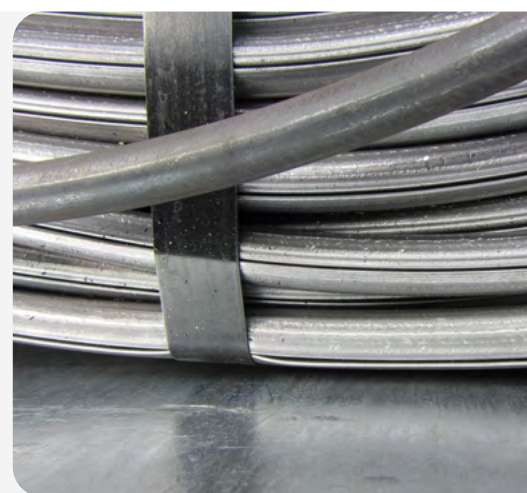
The encapsulated powder presented by CalciPro® guarantees highest yields when alloying Calcium. Hence, clogging caused by alumina inclusions during the continuous casting process is reliably prevented. The steel possesses enhanced formability and machinability as cutting speed or tool life.

Application

- CalciPro® guarantees safe transport, storage and easy handling. The conventional 13 mm cored wire is pulled out from a specially designed container.
- Crucial process times during ladle treatment at steel plants are not a problem with CalciPro®.

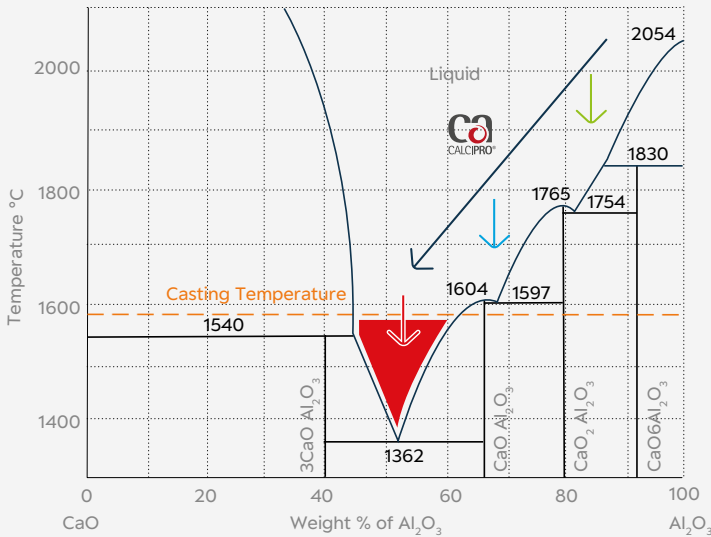
Your Benefits

- High Ca-content
- Increased quality by inclusion modification
- High efficiency
- Reproducible results
- Reduction of treatment time
- High safety measures due to less splashing and less turbulence
- Significant cost savings
- Silicon free



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CalciPro® distinguishes itself from any other cored wire product. The filling material Calcium Carbide does not evaporate or melt in contrast to other available cored wires filled with CaFe or CaSi, but simply dissolves. Low splashing of the steel bath during application and highest efficiency make this a commonly used product.



CHEMICAL ANALYSIS (TYP.)

Ca from CaC ₂	47% Ca
Silicon	0.4% Si
Carbon	32% C
Lime	17% CaO

CORED WIRE SPECIFICATIONS

Diameter	13 mm
Filling rate	180 g/m (approx.)
Steel strip thickness	0.4 mm

CONTAINER DIMENSIONS

Length	1440 mm
Width	1440 mm
Height	1140 mm

COIL SPECIFICATIONS

Powder weight	855 kg/coil (approx.)
Wire length	4750 m/coil (approx.)
Inner diameter	600 mm
Outer diameter	1250 mm
Height	800 mm



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