



CO₂- and ester-cured Sodium Silicates

PRODUCT RANGE FOR FERROUS AND NON FERROUS FOUNDRIES

- + No odour and emissions
- + Easily reclaimable
- + Good break down
- + Improved mixed sand flowability
- + Superior strength

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Driven by increasing health and safety guidelines and even more stringent environmental legislation, the sodium silicate method in combination with CO₂ gas or liquid hardeners has enjoyed a recent resurgence in popularity in steel, iron and non ferrous foundries. This is due to the fact that harmful emissions associated with the use of organic binding agents can be largely, and in some cases completely, avoided. The production of moulds and cores using liquid hardeners or CO₂ gas can also be described as odour-free, meaning that silicate binders can be classified as environmentally friendly binding agents. In combination with modern reclamation systems, reclaim rates can now be achieved that were only possible with organic binders.

AMASILIC & CARSIL

These systems fulfill highest demands on reclamation, mixed sand bench-life and final strength properties.

Benefits

- + Applicable with standard equipment
- + High reactivity
- + High strength
- + Low viscosity
- + High reclaim rates

SOLOSIL* & AMASILIC GS

These products fulfill different demands on strength, break down and mixed sand flowability requirements.

Benefits

- + Standard core manufacturing equipment applicable
- + High strength
- + Low viscosity
- + Good mixed sand flowability

Brand	Application	Properties
SOLOSIL	CO ₂ gas set for core making	These systems offer a variety of strength, breakdown and mixed sand flowability characteristics
AMASILIC GS		
CARSIL	Catalysed self setting for mould making	These systems fulfill the highest demands on reclamation, mixed sand bench-life and final strength properties
AMASILIC		

Odour and emission free working environment



Compatible with existing mixing equipments



Excellent casting finish



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