

# STUCK SiN

## Technical Data Sheet

### Material

**STUCK SiN** is a detaching cement used to preserve substrates from deterioration. It can be used in direct contact to melted metal

For further information visit [www.deltaphoenix.it](http://www.deltaphoenix.it)

### General informations

<b>Main component:</b>	Alumina
<b>Granulometry:</b>	0-1 mm
<b>Highest usage temperature:</b>	1800 °C
<b>Chemical analysis after heating at 150 °C:</b>	Al <sub>2</sub> O <sub>3</sub> +TiO <sub>2</sub> : 55-60 % Si <sub>3</sub> N <sub>4</sub> : 40-45 %
<b>Water quantity:</b>	70-90 [liters/100 kg of dry material]
<b>Density after setting:</b>	2100 [kg/m <sup>3</sup> ]
	73-75 [Bè] with 70% dilution and after 1 hour
	80-82 [Bè] with 70% dilution and after 24 hours
<b>Application:</b>	mix material with water one hour before application. apply by brush or spray (both on hot and cold substrates)
<b>Drying:</b>	250 °C

### Main technical characteristics

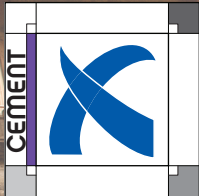
**STUCK SiN** is a detaching cement used to preserve substrates from deterioration with the following main technical characteristics:

- easy to use material
- highest metal-proof performances. It protects substrates from melted metal
- highest detaching behavior. It reduces the slug bonding, making easy the mechanical cleaning
- Pig-iron market
- steel market
- Ferro-alloy market
- Metal Silicon
- Ferro-silica alloy market
- copper and copper alloy market

### Fields of application



**STUCK SiN** is an official brand of Delta Phoenix srl  
Delta Phoenix srl Via XXV Aprile, 15, 25030 Maclodio (Brescia), ITALY. Phone +39 030 978241,  
Fax +39 030 9973964, [www.deltaphoenix.it](http://www.deltaphoenix.it), Mail: [info@deltaphoenix.it](mailto:info@deltaphoenix.it)



# STUCK sin

## Application

### Storage

**STUCK sin** package: 25 kg or 7 kg plastic barrels .

To preserve best conditions, it's necessary to store material in fresh, haired, dry warehouse, lifted from floor and far from walls.

Storage temperature: 5 °C - 30 °C

If all the information above are confirmed, storage time is 12 months

### Essential tools

**STUCK sin** is a refractory cement which can be applied by brush(wearing protective gloves) or by spray

### Preparation of the support

Clean surfaces (bricks, concrete, carpentry,...)where material is needed. No dust, slug, metals and any other unstable element is allowed.

### Implementation and drying process

1. Add 70-90 % of water depending on porosity of substrate
2. Mix material till obtain an homogenous mix
3. Let material react before application
4. Mix again immediately before implementation
5. Apply **STUCK sin** by brush or by spray. It is possible to add 3-10% of water to reduce initial viscosity, but it is better to do not add any percentage of water.
6. It is possible to start drying process immediately after application.



**STUCK sin** is an official brand of Delta Phoenix srl

Delta Phoenix srl Via XXV Aprile, 15, 25030 Maclodio (Brescia), ITALY. Phone +39 030 978241, Fax +39 030 9973964, [www.deltaphoenix.it](http://www.deltaphoenix.it), Mail: [info@deltaphoenix.it](mailto:info@deltaphoenix.it)