

TECHNICAL DATA SHEET SILIMIC

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1. Description

SILIMIC is dry silica fume /microsilica, amorphous silica, amorphous silicon dioxide/, available in two main forms:

UNDENSIFIED – SILIMIC U; typical bulk density up to 350 kg/m³

DENSIFIED – SILIMIC D; typical bulk density from 450 up to 650 kg/m³

CAS: 69012-64-2

EINECS: 273-761-1

REACH : 01-2119486866-17-0013

2. Application

Additive (mineral admixture) in manufacturing of: (ready mix) high-strength concrete, repair products as mortars and grouts, shotcrete, manufacturing of sealants and adhesives, component of refractories.

Additive in other building materials such as roof tiles and facade cladding.

3. Storage

SILIMIC should be kept in dry storage. Subjected to moisture and allowed to dry again may result in inferior performance. Not store in temperature near to or below 0 degrees of Celsius.

Keep away from hydrofluoric acid (HF).

4. Typical Chemical and Physical Characteristics

SiO₂ (% by weight of dry mass) - min 90 %

Specific surface (m²/g) - 15 – 35

Pozzolana Activity Index - min 100 %

Retained on 45 micron sieve - max 1%

Bulk density – undensified: up to 350 kg/m³

Bulk density – densified: 450 - 650 kg/m³

5. Packing

SILIMIC is supplied in a range of packing:

- bulk in road tanker,
- 20 kg paper bags,
- big bags with a capacity of 1 m³ or 1,6 m³

6. Quality Control and Compliance

Huta "Łaziska" is certified according to EN ISO 9001.

The chemical composition and physical properties are regularly tested, SILIMIC meets the requirements of the EN 13263 from the European Committee for Standardization.

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Huta Łaziska SA  43-170 Łaziska Górze, ul. Cieszyńska 23
Członek Europejskiego Stowarzyszenia Producentów Żelazostopów EUROALLIAGES
Członek Hutniczej Izby Przemysłowo - Handlowej w Katowicach
Sygnatariusz Międzynarodowej Deklaracji Czystszej Produkcji
telefon: +48 32 32 47 100; fax: +48 32 22 41 523;
e-mail: firma@hlsli.pl ; adres internetowy: <http://www.hlsli.pl>
Konto bankowe: ALIOR BANK S.A. Warszawa 17 2490 0005 0000 4520 6811 6508
Regon 273443800  NIP 635-000-04-69
Huta Łaziska SA została zarejestrowana w Sądzie Rejonowym w Katowicach pod nr KRS 0000067503
Kapitał zakładowy 35 000 000 złotych w całości opłacony