

**TECHNICAL DATA SHEET**  
**SILIMIC**

Date of formation / date of updating: 02.01.2013 / 20.08.2024

**1. Description**

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

UNDENSIFIED – SILIMIC U; with a typical bulk density of till 350 kg/m<sup>3</sup>

DENSIFIED – SILIMIC D; with a typical bulk density of 450-650 kg/m<sup>3</sup>

The parameter of bulk density set on Producers production line is not repeatable. The transport and storage can change them.

CAS: 69012-64-2

EINECS: 273-761-1

**REACH : 01-2119486866-17-0024**

**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. Use by date**

Use by date, indefinite. Provided that conditions specified in point 3 are met Silimic parameters remain unchanged.

**5. Typical Chemical and Physical Characteristics**

SiO <sub>2</sub> (% by weight of dry mass)	-	min	90 %,
Specific surface (m <sup>2</sup> /g)	-		15 - 35,
Pozz. Activity Index	-	min	100 %,
Retained on 45 micron sieve	-	max	1%.

Bulk density – Undensified - till 350 kg/m<sup>3</sup>

Bulk density – Densified - 450 - 650 kg/m<sup>3</sup>

**6. Packing**

SILIMIC is supplied in a range of packing:

- bulk in road tanker,

- 20 kg paper bags,

- Big bags with a capacity of 1 m<sup>3</sup> or 1,6 m<sup>3</sup>

**7. Quality Control and Compliance**

Re Alloys Sp. z o.o 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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