

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; with a typical bulk density of till 350 kg/m³

DENSIFIED – SILIMIC D; with a typical bulk density of 450-650 kg/m³

The parameter of Bulk density set on Producer's 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 fullfield Silimic parameters remain unchanged.

5. Typical Chemical and Physical Characteristics

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

Specific surface (m²/g) - 15 - 35,

Pozz. Activity Index - min 100 %,

Retained on 45 micron sieve - max 1%.

Bulk density – Undensified - till 350 kg/m³

Bulk density – Densified - 450 - 650 kg/m³

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 m³ or 1,6 m³

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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