

## AddChem Slurry S50<sup>®</sup>

### Description

**AddChem SIURRY S50<sup>®</sup>** is an aqueous suspension of micro silica.

**AddChem SIURRY S50<sup>®</sup>** Silica fume for concrete.

In use, **AddChem SIURRY S50<sup>®</sup>** improves the performance of concrete and mortar formulations. These combined properties lead to an extended life and resistance to chlorides, acids and sulfates and improved strength.

### Advantages

**AddChem SIURRY S50<sup>®</sup>** is stable during at least 2 weeks.

**AddChem SIURRY S50<sup>®</sup>** reacts with cement creating a dense matrix.

By reacting with cement alkalis

**AddChem SIURRY S50<sup>®</sup>** reduces their content and protects it against the alkali.

Also **AddChem SIURRY S50<sup>®</sup>** reduces porosity by decreasing pore size. Porosity and permeability reductions inhibit the penetration of aggressive agents (for instance acids, chlorides, sulfates, carbon dioxide, and sea water) and prevent concrete from corrosion and Freeze- Thaw irreversible damage.

### Technical Properties

Nature	liquid
Silica fume content	50% ± 3%
Specific Gravity	1.38 ± 0.03
pH	6 ± 2
Activity Index (28d)	between 105-115%

### Standards Compliance

• Quality Control of the Silica Fume used in **AddChem SIURRY S50<sup>®</sup>** complies with, EN 13263 and ASTM C1240

### Packaging

**AddChem SIURRY S50<sup>®</sup>** is available in IBC and other pack size.

### Dosage

the required dosage depends on the concrete design and varies typically between 5 – 20 % of the cement weight.

**AddChem SIURRY S50<sup>®</sup>** should be added with the water before mixing the concrete.

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### USES

**AddChem SIURRY S50<sup>®</sup>** is supplied as an aqueous suspension (slurry) with a solids content of 50% by mass and is easy to handle and pump.

Batch into the concrete mixer and mix thoroughly ensuring full dispersion.

Dosage varies depending on application recommended for all concrete mixes where high durability and mechanical performance are sought and required.

- High and Ultra High Performance Concretes
- Self-compacting concrete
- Early strength concrete
- Shotcretes

### Storage and handling

An Although **AddChem SIURRY S50<sup>®</sup>** has been designed to be stable 14 days, However, to prevent the natural process of segregation, the product should be regularly agitated to remain homogeneous. ISO SLURRY S50 should not be allowed to freeze as this renders the product unfit for use. Check homogenize before use.

### Warehouse Conditions

**AddChem SIURRY S50<sup>®</sup>** store in normal temperature and closed shaded dry area in undamaged original packing.

### Quality, Enviromental& HS

**AddChem SIURRY S50<sup>®</sup>** is not considered dangerous to handle.

Please refer to the material safety data sheet for additional information.

### Technical support

For any technical support, please contact IChem technical office or representatives

