Novo Dura fume

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Fluid micro-silica for high quality and durable concrete

DEFINITION

Novo Dura fume high quality concrete fluid micro-silica additive for the production of tight and durable concrete. Therefore, it is used with concrete to increase its strength, water tightness and resistance against chemical attack.

STANDARDS

Novo Dura fume complies with **EN** 13263-1-2, **ASTM** C-1240.

ADVANTAGES

- Chloride free, so safe in pre-stressed concrete.
- Improve the cohesive strength and the water retaining ability of the mixture.
- Increase cohesion, minimize bleeding and segregation and get improved of surface finish.
- Compatible with sulphate resistant cement or marine aggregates.

PHYSICAL PROPERTIES @ 25 C°

DISCRIPTION	VALUE
Homogeneity	shake before using
Color	grey
State	liquid
Density	1.39 ± 0.03 g/cm³
Solid Content	50.0 +/- 2.0 %
Chloride content*	< 0.3 mass-%
SiO2 content *	> 85 %
Free Si *	Max. 0.4 %
Free CaO *	Max. 1.0 %
SO3	Max. 2.0 %
Loss on ignition*	Max. 4.0
Cl content *	Max. 0.3 %
Na2O equivalent *	< 2.0 %
Specific surface area*	15 - 35 m²/g

DIRECTIONS OF USE

Due to its very even dispersion, **Novo Dura fume** is a very effective admixture that reacts intensively with the calcium hydroxide out of the cement hydration. In fresh concrete the addition of **Novo Dura fume** improves the cohesive strength and the water retaining ability of the mixture. On other hand, it contributes to the improvement of tightness, strength and resistance against chemical and mechanical attack in hardened concrete.

THE GUIDE DOSAGE IS

2.0 to 10 kg /100kg cement, for flowing.

✓ Should be regularly agitated to remain homogenous (twice daily).

PACKING

✓ Cubic 1000 liters / or as customer requirements.

STORAGE CONDITIONS

one year from production date if stored properly. As it is stored in unopened, original sealed packaging between +5 °C and +25 °C. Protected from frost and insolation.

PRECAUTIONS & SAFETY

Novo Dura fume is non-flammable and non-toxic, wash any splashes to the eyes immediately with water, and medical advice should be consulted.

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