

# Satex Redoz

High range water reducing and long time workability maintaining concrete admixture

## Properties

Satex Redoz enables all type and class concrete production by a certain cement due to it's wide range of dosage rates (0,6-2,0%) (Self compacting concrete, C20-C70 Class concrete).

Satex Redoz has the ability to maintain the workability and to retemper of concrete.

It is compatible with all types of cement. Wide range of dosage rates. It has high initial and final strength. Maintaining workability long time and water reducing as required, retempering.

It decreases the water demand of the concrete and increases the unit weight, water impermeability, compressive strength and durability of concrete depending on the admixture dosage and cement content by promoting homogenous distribution of cement particles in the concrete. It reduces labour and placement costs.

Satex Redoz improves the workability of concrete. It ensures placement of the concrete even to the sections with congested reinforcement without a risk of segregation.

## Area of applications

It is used for self compacting concrete (SCC) productions, structural strengthening applications, ready mix concrete production and concrete production at both hot and cold climates. It is also used the concrete production with long transportation distances, as being retempering admixture, concrete with high and early strength and the sections with congested reinforcement.

## Product Data

Appearance, Colour	Light brown, liquid
Density	1.07 ± 0.02 g/cm <sup>3</sup>
pH	4 - 9
Chemical base	Polymer
Chloride ion content (EN 480-10,%)	< 0.1
ASTM C 494 Type F, TS-EN 934-2 Table 3.1 and 3.2	

## Working instructions

3/4 of concrete mixing water should be added into the concrete beforehand and admixture should be added into the rest (1/4) of the mixing water afterwards.

## Consumption

The admixture dosage should be determined related with expected concrete performance. It can be used at 0,6 - 1,2% dosage rates by weight of binder to produce flowing consistency concrete and 1,4 - 1,8% by weight of binder for producing SCC. Please take into account that admixture has very high range water reduction property. The admixture dosage could be changed and it depends on the properties of aggregate and binders, ambient temperature and water / binder ratio. It is recommended to adjust the optimum admixture dosage by pretrials at the laboratory.

## Delivery and storage

### Packaging:

Satex Redoz is delivered in;	
Bulk	15 - 26 ton / bulk
IBC	1200 kg
Drum	250 kg
Pail	30 kg

### Shelf Life and Storage:

If stored properly in undamaged original sealed packaging in dry and cool conditions at temperatures between +5°C and +35°C, the shelf life is 12 months. Protect from direct sunlight and frost. Shake/stir before use.

## Compatibility

Satex Redoz may be combined with below Satex admixtures. Laboratory trials are always recommended before combining products.

- Satex Antifrost
- Satex VZ
- Satex Pump
- Satex Ae

## Warning

Before using our presented product, please carry out your own laboratory trial tests. Use protective clothes, gloves and glasses while using concrete admixtures. It should not contact skin and eyes. In case it contacts to skin and eyes, rinse it with water and ask for medical help.

## Notes

This data sheet is based on comprehensive experiences, intends to inform to the best knowledge, is not legally binding and does not constitute a contractual legal relationship or a side obligation from the purchase agreement. We guarantee for the quality of our product under our terms and conditions of sale and purchase. In to reduce the risk of error, limiting information is also stated. We reserve the right to make changes representing technical progress. This data sheet supersedes all earlier technical data on this product.