



# Centrilit NC

## Concrete Additive Based on Pozzolanic Alumosilicate

### Product Properties

- Amorphous / pozzolanic
- Bright-toned suspension
- Improves the concrete - homogeneity
- Reduces the chloride-migration
- Increases the chemical-resistance
- Improves the abrasion-strength
- Good environmental compatibility

### Areas of Application

- Precast concrete units
- High performance concrete for energy and refuse economy
- High-strength concrete
- Concrete with high resistance against chemicals
- Concrete pipes
- Shotcrete
- Concrete roof pans

### Application

Centrilit NC (nanocrystallizer) is a pozzolanic concrete additive based on amorphous alumosilicate. It concerns a synthetically manufactured material, not an industrial by-product. Apart from a high uniformity a long-term availability is also ensured.

Centrilit NC available as a 50%-suspension (slurry or as fine powder. It can be mixed fast into the concrete.

The particle size is significantly smaller than the particle size of cement. The particles fill depending on the grade of dispersion more or less completely the fine cavities in the hardened cement paste. Not only the concrete-density increased by the pozzolan. The chloride migration is reduced, the resistance against detrimental substances is improved and the durability of the concrete is generally increased.

Centrilit NC makes the manufacture of very homogeneous concrete possible. Thus the surface quality can be optimized. A bright-toned, aesthetic concrete surface can be achieved.

The relevant regulations for the manufacture, processing and curing of concrete and reinforced concrete must be observed. The necessary suitability-tests must be performed.

For further more information, please call our concrete-technology consulting-service.  
Phone: +49-2041/101-50.

In the interest of our environment please empty the packs completely. Exchange containers must be closed and protected from contaminants. We can only accept completely emptied containers. Please note our recommendations in the information sheet "MC-Disposal Concept for completely Emptied Transport- and sale-Package". On demand we will gladly send you the required information.



### Technical Data for Centrilit NC

Characteristics	Unit	Value	Comments
Density	kg/dm <sup>3</sup>	1,43 ± 0,02	
Additional Amount	% of cement weight	max. 22 max. 11	(suspension) (powder)
Solid Content	M.-%	50 ± 1,5	

### Product Characteristics for Centrilit NC

Type of the Concrete Additive	Suspension Powder
Name of the Concrete Additive	Centrilit NC Pulver/Powder Centrilit NC
Colour	White
Consistency	Liquid or in powder form
Approval	Powder:DIBt Z-3.35-1956 Suspension:DIBt Z-3.35-1966
Notified Authority	MPA Brandenburg
Internal Production Supervision in Accordance With DIN EN ISO 9001	
Form of Delivery	20kg bag (powder) 200kg barrels (subspension) 1,000kg container (suspension) Tank trucks (suspension)

### Safety Advice

Please take notice of the safety information and advice given on the packaging labels and safety information sheets.

**Note:** The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to observe during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

**Edition 12/09.** Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.