

# Centrilit NC II

## Concrete Addition Based on pozzolanic Alumosilicate

### Product Properties

- Amorphous / pozzolanic
- Bright-toned suspension / powder
- Improves the concrete-homogeneity
- Increases the concrete-density
- 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 sewage industry
- High-strength concrete
- Concrete with high resistance against chemicals
- Concrete pipes
- Shotcrete
- Concrete roof tiles

### Application Notes

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

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-strength but also the concrete-density is 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 II makes the manufacture of very homogeneous concrete possible. Thus the surface quality can be optimized. A bright-toned, aesthetic concrete surface can be achieved.

Centrilit NC II is available as a 50%-suspension (slurry) or as fine powder. It is advisable to agitate

or recirculate the suspension daily to prevent sedimentation. It can be mixed fast into the concrete.

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

Details about application of Centrilit NC II as concrete additiv type 2 see „Allgemeine bauaufsichtliche Zulassung“ Z-3.35-2143, which can provided on request.

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 II

| Characteristic    | Unit               | Value              | Comments                 |
|-------------------|--------------------|--------------------|--------------------------|
| Density           | kg/dm <sup>3</sup> | 1,45 ± 0,02        | (suspension)             |
| Additional amount | % of cement weight | max. 22<br>max. 11 | (suspension)<br>(powder) |
| Solid content     | M.-%               | 50 ± 1,5           |                          |

## Product Characteristics for Centrilit NC II

|                               |   |
|-------------------------------|---|
| Type of the concrete additive | Suspension ETA-17/0812<br>Powder ETA-17/0489  |
| Name of the concrete additive | Centrilit NC II Pulver/Powder<br>Centrilit NC II  |
| Colour                        | White / grey  |
| Consistency                   | Liquid or in powder form  |
| Notified body                 | KIWA GmbH, MPA Berlin-Brandenburg   |
| Storage                       | Suspension: Protect from frost and strong sunlight.<br>Attention: Agitate or recirculate Centrilit NC II daily, can be stored for at least 6 months.<br>Powder: Can be stored for at least 12 months in original unopened packs. Protect from moisture. |
| Form of delivery              | 25 kg bag (powder)<br>200 kg barrels (suspension)<br>1,000 kg container (suspension)<br>tank trucks (suspension)  |

**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 be observed 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 07/20. 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.