

## Application

cyment L is a typ II addition for concrete according to EN 206.

## Concrete composition

Recommended water-binder (W/B) – ratio:

$$\frac{W}{B} = \frac{\text{water}}{\text{(cement + cymment L)}} \leq 0,53$$

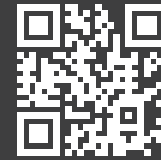
Additives from all manufacturers are available for cymment L in order to optimally adjust the processing properties (no increase in the amount of water!).

## Concrete production

Sufficient pre-mixing of the concrete raw materials and adhere to the required mixing times.

## Curing of concrete

- Keep concrete moist
- Cover the surface
- Application of curing agent



[cymment.eu](http://cymment.eu)

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# Application guideline

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## Application guideline

cyment L is used as a type II concrete addition in concrete in accordance with EN 206 and replaces part of the cement content required to achieve the strength class or to ensure durability of concrete.

To best activate the pozzolanic or latent hydraulic properties, the following processing guidelines must be observed:

### Water-binder-ratio

Since cyment L requires less water to harden than classic cements, the water binder - ratio must be reduced when using cyment L. The recommendation for the use of cyment in ready-mixed concrete is:

$$\frac{W}{B} = \frac{\text{water}}{(\text{cement} + \text{cyment L})} \leq 0,53$$

### Admixtures

By using concrete admixtures, it is possible to specifically control the processing properties (e.g. flowability of the concrete), even without increasing the amount of water. The processability of cyment L is adjusted with appropriate additives. Suitable products from all well-known manufacturers are available.

### Concrete production

To produce concrete with cyment L, the following mixing instructions must be followed:

#### Labor:

- Pre-mix dry (aggregate, cement and cyment L) ≥ 40 seconds
- Add water and admixtures
- Main mixing process ≥ 120 seconds

#### Mixing plant:

- Pre-mix dry (aggregate, cement and cyment L) ≥ 20 seconds
- Add water and admixtures
- Main mixing process ≥ 40 seconds

### Curing of concrete

In order to ensure high concrete quality, including on the surface of the building component, adequate curing (e.g. protecting the concrete from drying out by keeping it moist, covering it or applying a curing agent) is essential.