

# LIGNO-Ca<sup>®</sup>

Calcium Lignosulfonate



**ALPAKA**  
CHEMICAL GROUP

**LIGNO-Ca<sup>®</sup>** is a water reducing additive based on a selection of modified lignosulfonates, which provides an efficient solution from a cost point of view in the water reduction task. Made from pure lignin pulp, it also acts as a setting retarding agent in all building materials.

## Applications

- Improves the effectiveness of the water content in a cement mix. It reduces its permeability, maximizing efficiency in terms of costs
- Allows working on cements at high temperatures
- High-rise buildings with high durability
- It is particularly indicated in jobs where prolonged workability with initial delay is required
- Water reduction that results in better compression lengthens durability

## Features

- In contrast to sodium lignosulfonates, it has a pure content of more than 55% of lignosulfonates, which gives it a superior retarding power.
- Does not contain chlorides.
- Light brown fine powder

## Advantages / Benefits

- Chloride-free, it can be applied to prestressed and rodded concrete
- Provides workability without the need to add extra amounts of water

## Approvals / Standards

- ASTM C Technical Standards 494 for Type D.

## Dosage

**LIGNO-Ca<sup>®</sup>** can be added directly or added after dilution. It can be added during or after mixing. Post approach can achieve a better result.

## Basis Of Data

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## Additional Information

For additional information on **LIGNO-Ca<sup>®</sup>**, consult your local sales representative.

## Packing

25kg. Bags Shelf-life 24 month.

## Product Information

<b>Appearance</b>	Brown powder
<b>Moisture %</b>	≤3.0
<b>PH Value</b>	4-6
<b>Solid content %</b>	≥92.0
<b>Lignin %</b>	≥55.0

## Important Notes

The information, and, in particular, the recommendations relating to the application and end-use of ALPAKA products, are given in good faith based on ALPAKA's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with ALPAKA's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. ALPAKA reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.