

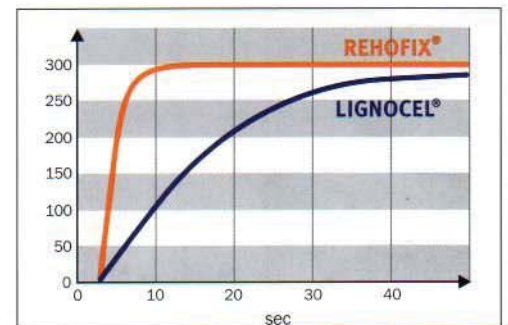


# LIGNOCEL® Guarantees Perfect Hygiene and an Optimal Cost-Benefit Ratio

## LIGNOCEL®

- highly absorbent
- extremely dust-free
- low moisture content
- produced from untreated solid wood
- biodegradable
- natural raw materials from German forests
- easy to use
- delivered in autoclavable sacks
- designed for sterile operation
- consistently high industrial quality
- environmentally friendly production process

### Ammonium Binding



Graph 1: Absorption of Humidity in %

## Chemical and physical characteristics of LIGNOCEL®

|  | LIGNOCEL®<br>3/4-S | LIGNOCEL®<br>S 8/15 | LIGNOCEL®<br>BK 8/15 | LIGNOCEL®<br>FS 14 | LIGNOCEL®<br>Select | LIGNOCEL®<br>Select fine | REHOFIX®<br>MK 2000 | REHOFIX®<br>MK 3500 |
|--|--------------------|---------------------|----------------------|--------------------|---------------------|--------------------------|---------------------|---------------------|
| Raw material                             | fir                | fir                 | fir                  | fir                | poplar              | poplar                   | corn                | corn                |
| Appearance                               | fibrillated fiber  | cubic granule       | cubic granule        | cubic granule      | cubic granule       | cubic granule            | round particle      | round particle      |
| Particle size<br>Main part approx.       | 2.0 - 4.0 mm       | 1.2 - 1.6 mm        | 1.4 - 1.8 mm         | 2.5 - 3.5 mm       | 2.5 - 3.5 mm        | 1.4 - 1.8 mm             | 1.7 - 2.2 mm        | 2.3 - 3.5 mm        |
| Bulk weight                              | 120-160 g/l        | 120-180 g/l         | 130-220 g/l          | 180-250 g/l        | 160-230 g/l         | 130-220 g/l              | 500-600 g/l         | 300-450 g/l         |
| Share of fine particles<br>< 200 approx. | < 0.5 %            | < 0.5 %             | < 0.2 %              | < 0.2 %            | < 0.2 %             | < 0.2 %                  | < 0.1 %             | < 0.1 %             |
| Moisture approx.                         | 13 %               | 13 %                | 13 %                 | 13 %               | 13 %                | 13 %                     | 13 %                | 13 %                |
| Water-binding capacity **                | ca. 372 %          | ca. 178 %           | ca. 324 %            | ca. 258 %          | ca. 254 %           | ca. 321 %                | ca. 310 %           | ca. 250 %           |
| Absorption speed *                       | 5 sec              | 23 sec              | 36 sec               | 56 sec             | 45 sec              | 30 sec                   | sofort              | sofort              |
| pH-value                                 | 5.5 +/- 1          | 5.5 +/- 1           | 5.5 +/- 1            | 5.5 +/- 1          | 5.5 +/- 1           | 5.5 +/- 1                | 5.5 +/- 1           | 5.5 +/- 1           |

\* 100 ml beaker glass, filling level up to 15 ml + 10 ml water

\*\* (output weight sieve mass) / mass \*100 = water binding capacity







## LIGNOCEL® Packaging: Avoid Trouble with the Correct Packaging Concept!

LIGNOCEL® is delivered upon your request in white polypropylene sacks or BigBags.

- autoclavable,
- tear-proof,
- suitable for Euro Pallets.

The benefits of LIGNOCEL® pallets:

- ideal storage in high rack warehouse,
- lower handling costs,
- optimal use of the stockroom area,
- sacks remaining clean during transport and storage,
- it enables quick, cost-effective loading and unloading from trucks, containers, etc.,
- heat treated, new Hygienic Euro Pallets.



### Packaging:

- in Sacks on Hygienic Euro Pallets
- BigBags on Hygienic Euro Pallets
- Silo trucks



For more information please contact:

