

# Product Data Sheet



## Lapinus® 702K2–Roxul®1000

Mineral Fibre (Note Q)

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Lapinus® 702K2–Roxul®1000 is an uncleaned granulated mineral fibre with a large flocksize (estimated fibre length of approx. 4000 microns). The high fibre content allows reduction of wool use in wet processes. The consistency of the flocksize gives high bulking values and a consistent drainage in wet processes.

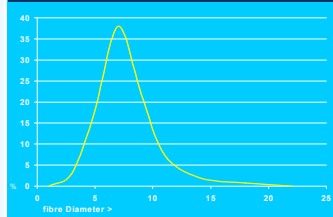
### Roxul®1000 chemistry =biosoluble chemistry

All Roxul®1000 products are worldwide exonerated from classification as a carcinogen.

### Chemical Analysis

	Min.	Max.
SiO <sub>2</sub>	38 %wt	43 %wt
Al <sub>2</sub> O <sub>3</sub>	18 %wt	23 %wt
CaO+MgO	23 %wt	28 %wt
FeO	4.5 %wt	8 %wt
K <sub>2</sub> O+Na <sub>2</sub> O		4.5 %wt
Others		6 %wt

### Typical average fibre diameter



### ADVANTAGES OF LAPINUS® 702K2–ROXUL®1000:

- Lapinus® 702K2–Roxul®1000 is consistent in terms of:
  - chemical composition
  - thermal properties
  - flocksize distribution
  - bulk and drainage properties
- Reliable supply, excellent availability, consistent quality (ISO 9001)

Parameter	Average/Tolerance	Testmethod												
Non-Fibrous Material*	<table border="1"> <thead> <tr> <th></th> <th>Norm.</th> <th>Max.</th> </tr> </thead> <tbody> <tr> <td>N &gt; 63 µm</td> <td>33.1%wt</td> <td>38.0%wt</td> </tr> <tr> <td>N &gt; 250 µm</td> <td>7.7%wt</td> <td>10.5%wt</td> </tr> <tr> <td>N &gt; 600 µm</td> <td>0.7%wt</td> <td>1.2%wt</td> </tr> </tbody> </table>		Norm.	Max.	N > 63 µm	33.1%wt	38.0%wt	N > 250 µm	7.7%wt	10.5%wt	N > 600 µm	0.7%wt	1.2%wt	TV 701
	Norm.	Max.												
N > 63 µm	33.1%wt	38.0%wt												
N > 250 µm	7.7%wt	10.5%wt												
N > 600 µm	0.7%wt	1.2%wt												
Ignition Loss	max. 0.3 %wt	TV 302												
Moisture Content	max. 0.1 %wt	TV 302												
Fibre diameter (mass wt. av.)	approx. 9.0 micron	TV 165												
Fibre diameter ( num. av.)	approx. 5.5 micron	TV 165												
Specific surface area	approx. 0.20 m <sup>2</sup> /g	TV 165												
Hardness	6 Moh													
Melting Point	> 1000 °C	Furnace, Visual												
Specific Density	2.75 ± 0.15 g/cm <sup>3</sup>													
Colour	Grey/Green	Visual												

\* Please note that the occurrence of large non-fibrous particles is inherent to the production process and these may be occasionally present in the product.

Author: E. Huynen (ADC)  
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ISO 9001 LF007.F08