

# Product Data Sheet



## Rockforce® MS750–Roxul® 1000

Engineered mineral fibre

lapinus@lapinusfibres.com  
www.lapinusfibres.com

Rockforce® MS750–Roxul® 1000 is a quality engineered mineral fibre. Its short fibre length results in excellent dispersion properties during dry mixing, even when used in high fibre loads.

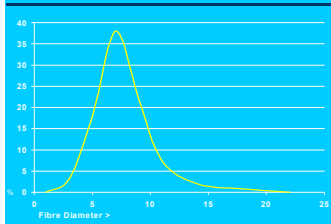
### Roxul®1000 chemistry =biosoluble chemistry

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

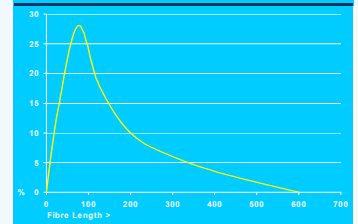
### Chemical Analysis

|                                    | 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



Typical average fibre length



### ADVANTAGES OF ROCKFORCE® MS750–ROXUL®1000

- Rockforce® MS750–Roxul®1000 is consistent in quality in terms of:
  - chemical composition
  - shot content
  - fibre length

| Parameter                     | Average/Tolerance                      | Testmethod      |
|-------------------------------|----------------------------------------|-----------------|
| Non-Fibrous Material          | Norm. Max.<br>N > 125 µm 3.0%wt 5.0%wt | TV 316          |
| Fibre Length                  | 125 ± 25 micron                        | TV 305          |
| 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          |

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