

Product Data Sheet



Rockbrake® RB280–Roxul® 1000

Engineered mineral fibre for application in friction materials

lapinus@lapinusfibres.com
www.lapinusfibres.com

Rockbrake® RB280–Roxul® 1000 is a high quality engineered mineral fibre. The surface treatment on this relatively long fibre results in an improved dispersion during mixing especially in wet mixing processes. Because of the long fibre length the product is ideal for the use in rolled linings and underlayers.

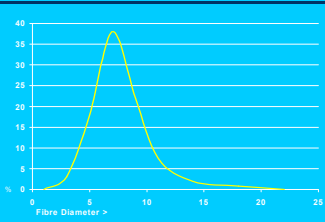
Roxul®1000 chemistry =biosoluble chemistry

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

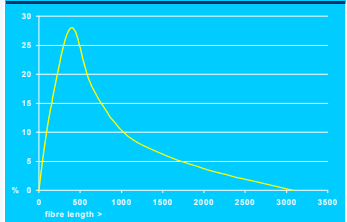
Chemical Analysis

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

Typical average fibre diameter



Typical average fibre length



ADVANTAGES OF ROCKBRAKE® RB280–ROXUL®1000:

- Rockbrake® RB280–Roxul®1000 is consistent in quality in terms of:
 - chemical composition
 - fibre length
 - purity

Parameter	Average/Tolerance	Testmethod
Non-Fibrous Material	Norm. Max. N > 125 µm 0.08%wt 0.2%wt	TV 316
Fibre Length	650 ± 150 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 ² /g	TV 165
Hardness	6 Moh	
Melting Point	> 1000 °C	Furnace, Visual
Specific Density	2.75 ± 0.15 g/cm ³	
Colour	Grey/Green	Visual

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