

protext®

High-temperature resistant
mineral fiber

PRODUCT FEATURES

Roll material made of biosoluble mineral wool, which, with its non-combustible properties and very good thermal insulation properties, is predestined for thermal shielding tasks.

TECHNICAL PROPERTIES

Material	biosoluble mineral wool	Raw density	250 – 900 kg /m³
Filament structure	Glas (amorph)	Area application weight	800 – 4.000 g/m²
Transformation temperature (DIN ISO 7884-8)	654 °C	Biopersistance (i.t.- Test) **	< 40 Tage half life
Temperature stability (DBW PA-70-08)	800 °C / 5 min	Water absorption capacity	hydrophobic adjusted
Ignition loss (%) (PA 007-2; analogous to DIN / ISO 1887) *	6 ± 2	Water absorption	0,45% after 48h drying (immersion bath: 1h)
Shot content (PA 007-1) *	< 20 %	Burnrate (ISO 3795)	0 mm/min
Fasionaire (PA 001) *	170 ± 30	Colour	Nature

CHEMICAL COMPOSITION	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃ total	MgO+CaO	K ₂ O + Na ₂ O	MnO
Wt.. - %	60,2 ± 2	1,1 ± 1	5,5 ± 1,5	28,1 ± 2	5,0 ± 1,5	≤ 1,1

THERMAL CONDUCTIVITY λ (DIN 52612-2)	W/m*K	0,0028	0,034	0,049	0,071	0,101	0,140
(mean temperature, ρ= 110 kg/m³, Fas. 140)	°C	50	100	200	300	400	500

* DBW testing specifications

A technical rejection rate of 2-3 % cannot be avoided due to the manufacturing process and the associated partial agglomeration of binders. The above information does not constitute a guarantee of characteristics. Suitability for the respective application must be checked. Subject to change without notice.

** intratracheal test