

Product Data Sheet

CoatForce® CF50

Engineered mineral fibre



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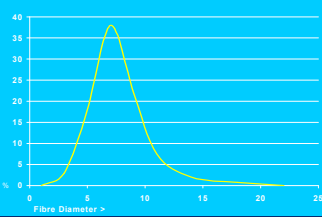
CoatForce® CF50 is a high quality engineered mineral fibre. Its fibre length results in an excellent dispersion in various matrix materials e.g. water- and solvent based resins, bitumen. CoatForce® CF50 gives excellent mechanical properties to various paint and coating systems.

Chemical Analysis

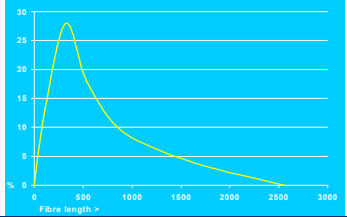
All CoatForce® products are worldwide exonerated from classification as a carcinogen.

	Min.	Max.
SiO ₂	37 %wt	42 %wt
Al ₂ O ₃	18 %wt	23 %wt
CaO+MgO	34 %wt	39 %wt
FeO	0 %wt	1 %wt
K ₂ O+Na ₂ O		3 %wt
Others		3 %wt

Typical average fibre diameter



Typical average fibre length



ADVANTAGES OF COATFORCE® CF50

- CoatForce® CF50 shows in various applications added values in improvement of mechanical properties and rheological behaviour.
- CoatForce® CF50 has an off-white colour and very low shot content.
- CoatForce® CF50 is worldwide safe to use with respect to Health and Safety regulations.

Parameter	Average/Tolerance	Testmethod
Non-Fibrous Material	Norm. Max. N > 125 µm 0.1%wt 0.2%wt	TV 316
Fibre Length	500 ± 150 microns	TV 305
Ignition Loss	max. 0.3 %wt	TV 302
Moisture Content	max. 0.1 %wt	TV 302
Fibre diameter (mass wt. av.)	approx. 7 micron	TV 165
Fibre diameter (num. av.)	approx. 5 micron	TV 165
Specific surface area	approx. 0.20 m ² /g	TV 165
Hardness	6 Moh	
Melting Point	> 700 °C	Furnace, Visual
Specific Density	2.71 ± 0.1 g/cm ³	
Colour	off-white	Visual
Oil absorption	approx. 20 g/100 g	ASTM D281

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ISO 9001 LF007.F08

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