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TECHNICAL DATA SHEET
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QUARTZ

Resinated spherical quartz

Description

Resinated spherical quartz is a mono-crystalline quartz of alluvial origin with the following features:

- high content of silica over 98%
- value of hardness in according with Mohs scale is 7
- is available in several grain size
  - B0 (0,06-0,25 mm)
  - B1(0,1-0,5 mm)
  - B2(0,3-0,9 mm)
  - B3 (0,7-1,2 mm)
- treatment on the surface with epoxy resin to reduce the fine dust

Uses

Is very used to fill resinous system for making flooring in several % on the base the product and the application
Is also used to spread on resinous product after the application before hardening time (quartz anchoraged on the surface resinous products)

Application

To put into the resinous compound then mix with mechanical drill for 1-2 minutes (depends on the information on TDS)
To spread on the surface with a certain consumption (depend on the amount reported in the process)

Technical Data

Origin	Alluvial
Colour	Light grey
Crystal structure	Trigonal
Particle shape	Rounded edges
Real density	2,65 tonn/m³
Apparent density	1,5 tonn/m³

Chemical Analysis

Elements	%
Sio2	99,2
Al2O3	0,48
Fe2O3	0,03
TiO2	0,04
CaO+MgO	0,02
Na2O+K2O	0,08
Ignition loss	0,12

Size distribution

Sieving method: - Mesh size (mm)
- Retained weight %

QUARTZ B0

0,06 / 0.25 mm		
+ 0.297	mm	4 %
+ 0.210	mm	41 %
+ 0.149	mm	47 %
+ 0.105	mm	6 %
- 0.105	mm	2 %

QUARTZ B1

0.1 / 0.5 mm		
+ 0.5	mm	9 %
+ 0.315	mm	47 %
+ 0.1	mm	42 %
- 0.1	mm	2 %

QUARTZ B2

0.3 / 0.9 mm		
+ 0.9	mm	4 %
+ 0.5	mm	80 %
+ 0.315	mm	13 %
- 0.315	mm	3 %

QUARTZ B3

0.7 / 1.2 mm		
+ 1.25	mm	5 %
+ 1	mm	49 %
+ 0.71	mm	39 %
- 0.71	mm	7 %

The data reported in this TDS are medium values.

For the application of this product, the buyer engages to strictly follow what is indicated in this Technical Data Sheet and in the related Material Safety Data