

Product Information

WorléeQuarzsand AS

Version: 04/2018

Worlée Quarzsand AS is an epoxy resin coated, electrically conductive quartz. The product enables the formulation of conductive and antistatic coatings with an electrical resistance of $R_A \leq 500 \text{ Ohm}$.



	WorléeQuarzsand AS 0104	WorléeQuarzsand AS 0408	WorléeQuarzsand AS 1020
Grade	quartz sand	quartz sand	quartz sand
Color	anthracite / black	anthracite / black	anthracite / black
Particle shape	rounded edges	rounded edges	rounded edges
Particle size ($\pm 10\%$) [mm]	0,1 – 0,4	0,4 – 0,8	1,0 – 2,0
Density [g/cm ³]	approx. 2,65	approx. 2,65	approx. 2,65
Bulk density [g/cm ³]	1,5 – 2,0	1,5 – 2,0	1,5 – 2,0
Hardness (Mohs)	approx. 7	approx. 7	approx. 7
Electrical resistance [Ohm]	≤ 500	≤ 500	≤ 500
Remaining moisture	approx. 0,1	approx. 0,1	approx. 0,1

WorléeQuarzsand AS should be stored in dry, well ventilated environment. Humid material may cause problems during flooring works.

Compatible binder systems for WorléeQuarzsand AS:

→ EP-systems	→ PMMA
→ PU-systems	→ acrylate-systems
→ UP-systems	→ several waterborne systems

Before adding **WorléeQuarzsand AS** into solvent borne and / or styrene containing systems compatibility should be tested.

Application examples for WorléeQuarzsand AS:

→ mortar systems
→ floor coatings

The different quartz grades and quartz granulations may be mixed together. In order to achieve sufficient conductivity at least 30% - 35% **WorléeQuarzsand AS** should be used. Subsequent colourless sealing is possible.