



TECHNICAL DATA SHEET

1. Product Name:

MECHANO-COND[®] 1D4

2. Product description:

MECHANO-COND[®] 1D4 is a water based carbon dispersion and contains no binder. The product is designed to create an electrical conductivity in water based ink and coating formulations. Special property of this dispersion is the high solid content with moderate viscosity. MECHANO-COND[®] 1D4 can be easily mixed simply using a stirrer or a dissolver. The formulation of MECHANO-COND[®] 1D4 enables the adjustment of different resistivity values.

3. Applications:

- Production of electrical or antistatic coatings
- Shielding coatings
- Electrical conductive adhesives

4. Properties

- Compatible with most of water based products like acrylic-, polyurethane-, polyvinyl acetate-dispersions
- easy to mix
- High stability
- No heavy metals or phosphates
- Nonflammable, safe to use, safe to store
- Non corrosive
- Odorless
- VOC and APEO free

5. Technical data:

Property	Specification	Unit
Solid content	30,0	Wt. %
Particle size D ₅₀	4,0	µm
Carrier	water	
Diluent	water	
Ionogenicity	Non ionic	
Density	1,15	g/ml
pH	7-8	

6. Service

It is our commitment to provide the best service. Our technical staff will be happy to serve you.

Information provided on this technical data sheet indicates the approximate physical and chemical properties of the material. No warranty is made either expressed or implied regarding the accuracy or the results to be obtained from the use of such information.