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## PRODUCT-INFORMATION

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### 1. Product Name

MECHANO-COND® 1D5

### 2. Product description

MECHANO-COND® 1D5 is a carbon dispersion for aqueous paint and coating systems to achieve electrical conductivity. The dispersion is manufactured according to the FLG\*-technology and achieves the highest electrical conductivity. Due to its composition, MECHANO-COND® 1D5 can be incorporated directly into any aqueous formulations and is well tolerated with them. MECHANO-COND® 1D5 contains no binders but only dispersing additives in low concentration and can therefore be used in a wide range of applications. The carbon pigments contained allow - depending on the concentration of use - the setting of different resistance values. Even after a longer service life, the dispersion can easily be stirred up again.

### 3. Applications

- Production of electrically conductive or antistatic coating systems, adhesives or coatings.
- Coatings for Bipolar Plates (Fuel cells)
- Heating coatings
- Shielding colours
- Electrically conductive concrete

### 4. Properties

- Excellent compatibility with aqueous binder systems (acrylates, polyurethanes, polyvinyl acetates, etc.)
- Easy incorporation by dissolver
- VOC and APEO free
- No sewage problems (biologically eliminable)
- Non-flammable
- Not corrosive
- Odorless



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### 5. Technical data

Property	Specification	Unit
Solid content	47 ± 1	Wt. %
Carrier	water	
Ionogenity	anionic	
Density	1.15	g/ml
pH	7-8	
Resistance <sup>1</sup>	5.0 ± 1	Ω

### 6. Service

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

\* FLG technology = Few Layer Graphene

1 self-measurement

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.