



## ConduDisc Pro Technical Specifications

### Physical Properties

| Property                                                               | Typical Value                                      | Unit               | Test Method                                                            |
|------------------------------------------------------------------------|----------------------------------------------------|--------------------|------------------------------------------------------------------------|
| Physical State                                                         | Black Solid                                        |                    |                                                                        |
| Odor                                                                   | None                                               |                    |                                                                        |
| Water Permeability                                                     | $1.72 \times 10^{-7}$<br>[ $6.77 \times 10^{-8}$ ] | cm/sec<br>[in/sec] | ASTM D5084 (2.6 psi<br>[0.018 MPa])                                    |
| Flammability                                                           | No ignition                                        |                    | Exposed to a propane torch<br>(~2000 °C [~ 3632 °F]) for<br>60 seconds |
| Electrical Corrosion Resistance<br>Copper<br>Steel<br>Galvanized Steel | 100<br>98.09<br>99.91                              | %                  | SAE Inc. Standard 100                                                  |
| Compatibility<br>Copper<br>Steel<br>Galvanized Steel                   | Yes<br>Yes<br>Yes                                  |                    | SAE Inc. Standard 100                                                  |
| Environmental Impact                                                   | Neutral                                            |                    | Ontario Regulation<br>558/00 (Leachate Testing)                        |
| Freeze-thaw Withstand                                                  | 30                                                 | Years              | SAE Inc. Standard 102                                                  |

### Mechanical Properties

| Property                                                                                                                   | Typical Value                                                                | Unit                                                     | Test Method           |
|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------|
| Elastic Compression<br>7,000 kg [15,432 lbs]<br>12,000 kg [26,455 lbs]<br>14,500 kg [31,967 lbs]<br>16,771 kg [36,974 lbs] | 2.2 [0.09] (4.3)<br>2.6 [0.10] (5.1)<br>3.0 [0.12] (5.9)<br>3.1 [0.12] (6.1) | mm [in] (%)<br>mm [in] (%)<br>mm [in] (%)<br>mm [in] (%) | SAE Inc. Standard 103 |
| Maximum Load Applied                                                                                                       | 16,771 [36,974]                                                              | kg [lbs]                                                 | SAE Inc. Standard 103 |

## Electrical Properties

| Property     | Typical Value    | Unit                                                     | Test Method           |
|--------------|------------------|----------------------------------------------------------|-----------------------|
| Resistivity  | 30.39<br>[11.96] | $\Omega \cdot \text{cm}$<br>[ $\Omega \cdot \text{in}$ ] | SAE Inc. Standard 105 |
| Conductivity | 0.03 [0.076]     | S/cm [S/in]                                              | SAE Inc. Standard 105 |

## Fault Current Withstand

| RMS Current (A) | RMS Voltage (kV) | Resistance Before Test (m $\Omega$ ) | Resistance After Test (m $\Omega$ ) | Approximate Temperature Rise ( $^{\circ}\text{C}$ [ $^{\circ}\text{F}$ ]) | Test Duration (milliseconds) |
|-----------------|------------------|--------------------------------------|-------------------------------------|---------------------------------------------------------------------------|------------------------------|
| 1040            | 19.5             | 30.6                                 | 20.3                                | 1 [1.8]                                                                   | 508                          |
| 2520            | 124.0            | 55.5                                 | 20.2                                | 2 [3.6]                                                                   | 508                          |
| 3730            | 239.0            | 44.9                                 | 46.0                                | 13 [23.4]                                                                 | 234                          |
| 4990            | 176.0            | 34.6                                 | 7.28                                | 1 [1.8]                                                                   | 508                          |

## Leachate (TCLP) Results

Leachate Data (TCLP Procedure) based on Ontario Regulation 558/00

| Constituent           | ConduDisc Elite TCLP Concentration (mg/L [ppm]) | U.S. Environmental Protection Agency (US EPA) Maximum Contaminant Level (mg/L [ppm]) |
|-----------------------|-------------------------------------------------|--------------------------------------------------------------------------------------|
| Arsenic               | BDL                                             | 0.010 [0.010]                                                                        |
| Barium                | 1.490 [1.490]                                   | 2.000 [2.000]                                                                        |
| Boron                 | 1.067 [1.067]                                   | 2.000 * [2.000]                                                                      |
| Chromium              | 0.026 [0.026]                                   | 0.100 [0.100]                                                                        |
| Mercury               | BDL                                             | 0.002 [0.002]                                                                        |
| Selenium              | 0.013 [0.013]                                   | 0.050 [0.050]                                                                        |
| Silver                | BDL                                             | 0.100 ** [0.100]                                                                     |
| Uranium               | BDL                                             | 0.030 [0.030]                                                                        |
| Fluoride              | 0.190 [0.190]                                   | 2.000 ** [2.000]                                                                     |
| Nitrate (as Nitrogen) | BDL                                             | 10.000 [10.000]                                                                      |
| Nitrite (as Nitrogen) | BDL                                             | 1.000 [1.000]                                                                        |
| Cyanide               | BDL                                             | 0.200 [0.200]                                                                        |

BDL means the result is "Below the Detection Level" of the analytical procedure

\* No MCL established; value shown is US EPA's Lifetime Drinking Water Health Advisory

\*\* No MCL established; value shown is US EPA's Secondary Drinking Water Standard

Additional specifications and application details available as required.  
Values subject to change.

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