

## ConduMarine Technical Specifications

### Physical Properties

Property	Typical Value	Unit	Test Method
Physical State	Grey Solid		
Odor	None		
Water Permeability	$2.0 \times 10^{-8}$	cm/sec	ASTM D5084 (2.6 psi)
Environmental Impact	Neutral		Ontario Regulation 558/00 (Leachate Testing) and NSF / ANSI / CAN 60 (due to the ConduCrete used in the ConduMarine)

### Compressive Strength Properties

Property	Cure Time	Test Method
Compressive Strength (psi)	28 days	
	3575	CAN / CSA.A23.2-19
Compressive Strength (MPa)	28 days	
	24.6	CAN / CSA.A23.2-19

### Electrical Properties

Property	Typical Value	Unit	Test Method
Resistivity	< 5.0	$\Omega \cdot \text{cm}$	Modified ASTM G187-05
Conductivity	> 0.2	S/cm	Modified ASTM G187-05

## NSF / ANSI / CAN 60

ConduCrete used in the ConduMarine meets NSF / ANSI / CAN 60: Drinking Water Treatment Chemicals - Health Effects.

<http://info.nsf.org/Certified/PwsChemicals/Listings.asp?Company=C0169859&>

## Leachate (TCLP) Results

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

Constituent	ConduMarine TCLP Concentration (mg/L)	USEPA Maximum Contaminant Level (mg/L)
Arsenic	BDL	0.010
Barium	0.384	2.000
Boron	0.158	2.000*
Cadmium	BDL	0.005
Lead	BDL	0.015
Mercury	BDL	0.002
Selenium	0.013	0.50
Silver	BDL	0.100**
Uranium	BDL	0.030
Fluoride	0.190	2.000**
Nitrate (as Nitrogen)	BDL	10.000
Nitrite (as Nitrogen)	BDL	1.000
Free Cyanide	BDL	0.200

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

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

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

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