INTERNATIONAL CORROSION CONTROL INC.

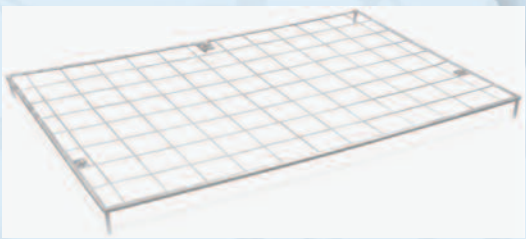
INTERPROVINCIAL CORROSION CONTROL COMPANY LTD.

Leaders in the Cathodic Protection Industry … since 1957

RUSTROL® SYSTEMS

PRODUCT INFORMATION: Gradient Control System - Mat™ *(GCS-M)**

Product: Rustrol® **Gradient Control System - Mat™** ***(GCS-M)****



End User:

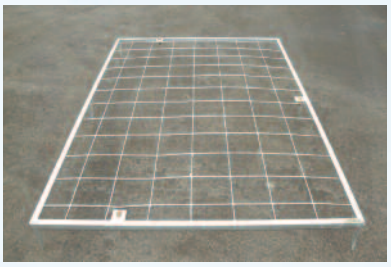
- Electrical Utilities
- Oil/Petrochemical Industries
- Pipeline Operators

Background:

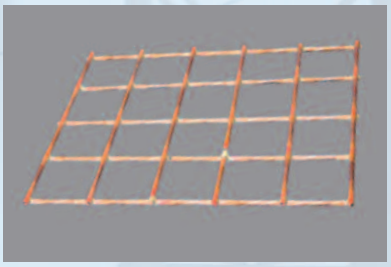
The Rustrol® **Gradient Control System - Mat™** ***(GCS-M)**** provides for a reliable, maintenance-free grounding/safety grid capable of reducing and/or preventing the potential shock hazard to personnel and equipment, typically associated with exposure to "Step & Touch" voltages.

The Rustrol® **Gradient Control Systems** ***(GCS)**** are provided in configurations as deemed necessary for numerous applications: Gradient Control System - Mat *(GCS-M)**, and/or Gradient Control Copper Cable/Zinc Ribbon *(GCS-CC or GCS-ZR)** , are typically connected to the primary structure *(ie. pipeline)* in series arrangement through a Rustrol® **Cathodic Isolator®**, Model: **SSP** or the Rustrol® **DC-Decoupler™**, Model: **DCD.**

The Rustrol® **Gradient Control System - Mat™** ***(GCS-M)**** is utilized primarily to limit shock risks caused by localized "Step & Touch" voltage potentials, that often occur within Valve Stations, Electrical Substations and enroute of pipelines at Test Station locations. In accordance with NACE International Standard SP0177 *(latest revision)*; to reduce electrical "Step & Touch" voltages in areas where the general public and/or operating personnel may come in contact with a primary structure *(ie. pipeline)* that is exposed to hazardous potentials, gradient control mats should be considered.



Galvanized Mat



Copper Mat

Specifications

1200mm x 1800mm *(4'.0" x 6'.0")* Approx.

Grid: 150mm x 150mm *(6".0 x 6".0)* Welded Mesh

Hardware: 3 Cable Termination Platforms with Connector Bolt, Nut and Lockwasher.

Gradient Control System - Mat™

ICCC Product Code	Description		Unit	Nominal Unit Wt.	
	Overall	Mesh Thickness (*Approx.*)		kg	lb.
GCS-M-64663-GS-3	Hot Dipped Galvanized Steel Mat	6.35mm (1/4")	1	13.50	30.0
GCS-M-64663-CC-1	Copper Clad Steel Mat	3.28mm (1/8")	1	1.80	4.0
GCS-M-64663-CC-2	Copper Clad Steel Mat	4.10mm (1/6")	1	2.75	6.0
GCS-M-64663-SC-2	Solid Copper Mat	4.10mm (1/6")	1	2.75	6.0
GCS-M-64663-SC-3	Solid Copper Mat	6.35mm (1/4")	1	4.00	9.0

Custom Gradient Mat Configuration available on request



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RUSTROL® SYSTEMS

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GCS-M Brochure, Revision 1, Mar. 22, 2017

***DISCLAIMER:** The information contained herein may not be suitable for every situation, the "End-User" acknowledges that every location is subject to unique electrical exposure. *ICCC* shall not be liable for any loss of profit or any other commercial damages, including but not limited to special, incidental, consequential, or other damages. Any use thereof is at the End-User's independent discretion.