

Composite Rebar for Concrete Structures

THE SOLUTION FOR CORROSION.

THE ONLY SUPPLIER THAT PROVIDES ALL 3 GRADES AS PER CSA S-807 WHICH ALLOWS TO MAXIMIZE PERFORMANCE AND COST.

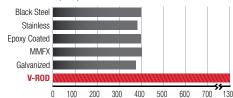
V-ROD IS INCLUDED IN THE FOLLOWING CODES:

CAN CSA S806-02 / CAN CSA S6-06 and frequently used by Ministry of Transportation in BC, AB, SK,MB, ON, QC, NB, NS, PEI, NL, ACI 440, AASHTO LRFD Bridge Design Guide

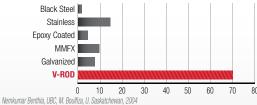
FATIGUE BEHAVIOUR (Cycles) Black Steel Stainless Epoxy Coated MMFX Galvanized V-ROD 0 100 000 200 000 300 000 400 000 500 000

Adimi, M.R., Rahman, A.H., and Benmokrane, B. 2000

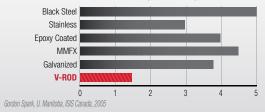
TENSILE STRENGTH (MPA)



CORROSION RESISTANCE (% of residual strength)



LIFE CYCLE COST OVER 100 YEARS (Relative cost)



PULITI\LL

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SAVINGS ON LIFE CYCLE COST

- Given the present value for total costs of maintenance and demolition, using V-ROD technology represents a savings of 45 to 60%.
- Given the present value of the overall life cycle cost, using
 V-ROD technology represents a savings of roughly 15 to 25%.
- If we add unknown factors such as the fact that fragile epoxy coating may be compromised due to impact when installing rebar, the savings provided by using FRP increases from 15 to 30%.

CONSTRUCTION SAVINGS

- V-ROD rebar allows costs to be eliminated related to the use of expensive membranes.
- It is possible to use conventional concrete instead of low permeability concrete with added corrosion inhibitors.
- Reduced weight allows for the handling of more rebar at the same time and reduces installation time.

INCREASED SAFETY FOR OWNERS AND USERS

- V-ROD rebar is manufactured according to set standards, has been approved by ISIS Canada and is included in CSA design standards.
- Standard specifications are now available to engineering firms for quality control of projects, including independent on-site inspection.
- Installation methods in concrete have been standardized in accordance with those of steel.

DESIGN AND TRAINING: service@pultrall.com