

Vector®
Galvashield® XP
Project History

GALVANIC SYSTEMS

**Condominium Rehabilitation
Satellite Beach, Florida**



Structure: Sandpiper Towers
Condominium Balconies

Specifier: Bryant Engineering
Melbourne, Florida

Location: Satellite Beach, Florida, USA

Contractor: P.R. Dupree Construction
Melbourne, Florida

Project Description:

The condominium balconies were suffering from corrosion damage due to the airborne chlorides from the Atlantic Ocean. The level of deterioration was such that rather than perform substantial patching, Bryant Engineering determined it was more economical to remove and replace the deteriorating balconies.

Project Solution:

The new balconies were cast with ready-mix concrete containing a corrosion inhibiting admixture. Combined with a waterproof coating, this was the strategy to provide long term protection to the new balconies. The remaining concern with this strategy is the interface between the new concrete balcony and the existing chloride contaminated slab. The engineer was concerned that accelerated corrosion could occur beneath the sliding door threshold and back into the units. Corrosion reaching further back into the unit would be costly to repair and create a major disruption. To address this concern, Galvashield XP anode units were tied to the existing bars along the interface and embedded into the new concrete to provide localized corrosion protection and extend the life of the repair.

1400 - 2010May11

Vector Corrosion Technologies Ltd. 474 Dovercourt Drive Winnipeg, MB R3Y 1G4
Vector Corrosion Technologies, Inc. 13312 N. 56th Street, #102 Tampa, FL 33617
Vector products are provided with a standard limited warranty against defects for a period of 12 months from the date of the sale. To obtain a complete copy of Vector's limited warranty, contact Vector or visit www.vector-corrosion.com/warranty.pdf. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith. For professional use only; not for sale to or use by the general public.

Vector, Galvashield and the Vector logo are registered trademarks.

Patents: US 6022469, 6303017, 6193857

Printed in Canada

© 2010 Vector Corrosion Technologies

**VECTOR
CORROSION
TECHNOLOGIES**
www.vector-corrosion.com

CAN: Phone: (204) 489-6300 Fax: (204) 489-6033
USA: Phone: (813) 830-7566 Fax: (813) 830-7565
Email: info@vector-corrosion.com