

070107

January 17th 2007

Z.R.C. Worldwide
145 Enterprise Drive
Marshfield
MA 02050-2132

Re:- Nine Year Florida Exposures of Z.R.C. coated panels.

Attn:- Mr. Steve Collins

Gentlemen,

Further to our receipt of photographs of the untopcoated Z.R.C. primed steel panels being tested in Florida by Q-Lab Weathering Research (direct inland 45 degree south facing), we are pleased to summarize these data after nine years exposure. With this letter we are forwarding photographs of the panels taken by the Q-Lab Weathering Research on which our observations are based.

Two series of panels were applied each in quadruplicate. Series 001055 is the standard Z.R.C., while series 001056 is the water based inorganic ZERO V.O.C. Z.R.C. Both products were exposed on November 21st 1997.

As may be noted by reviewing the photographs, the performance of all four panels of each product after this length of exposure is very encouraging. **All panels show an expected appearance after nine years with very little difference in any of the primers. Corrosion on the general face of all panels is entirely absent, as is blistering.**

Corrosion (ferric) along the edges of the panels is segregated to areas that were originally covered by the white vinyl tape. This should be ignored as should all edge effects. It may be postulated that the UV induced breakdown of the vinyl tape via dehydrochlorination (i.e. the evolution of HCl) played some part in exacerbating the corrosion of the edges and backs of the panels.

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The white zinc corrosion spots visible on all panels of the 001056 series is typical of an inorganic zinc rich primer, and is a direct consequence of the galvanic protection of the steel afforded by the zinc.

Trusting that this report, meets your requirements, we remain,

Yours truly,



COATING SYSTEM DESIGN, INC.,

Clive H. Hare,
President.