



## Marshall Laboratory Work Request System

### Response to WR-56-REP-08: E-one Panels, Salt Spray Testing

Created by: Robert E Pennock/AE/DuPont on 06/02/2008 at 10:18 AM

Business Segment: Fire & Emergency

Customer: E one

Customer Location: FL

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Chris.

Attached are digital photos of the 4 submitted parts after 1000 Hours Salt Spray. Order of performance was 3>2>1>4.

Here are some pictures after 418 Hours Salt Spray. There is a noticeable difference between 2 and 3 versus 1 and 4. There is more blistering on 1 and 4 from galvanic action where the hinge is in contact with the body. I hope the attached pictures are helpful.

We did not observe any significant change to the hinge at 250 Hours. WR-62 was just submitted.

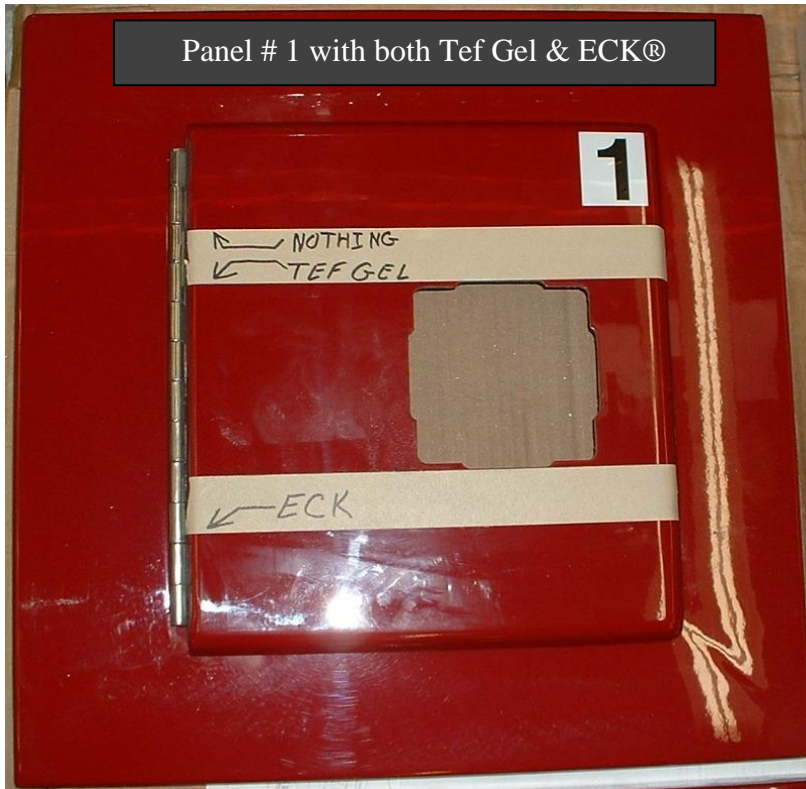
Regards,

Bob Pennock

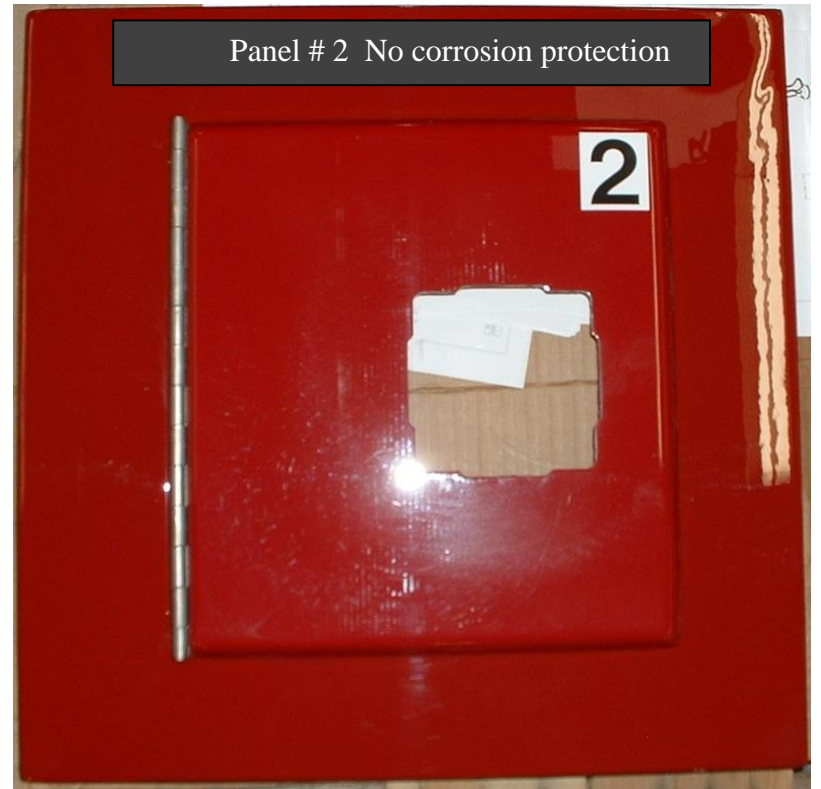
4 Test Panels – 1<sup>st</sup> panel w/ nothing, Tef-Gel & ECK®, 2<sup>nd</sup> panel w/ no protection, 3<sup>rd</sup> panel w/ ECK® & 4<sup>th</sup> panel w/ Tef-Gel.



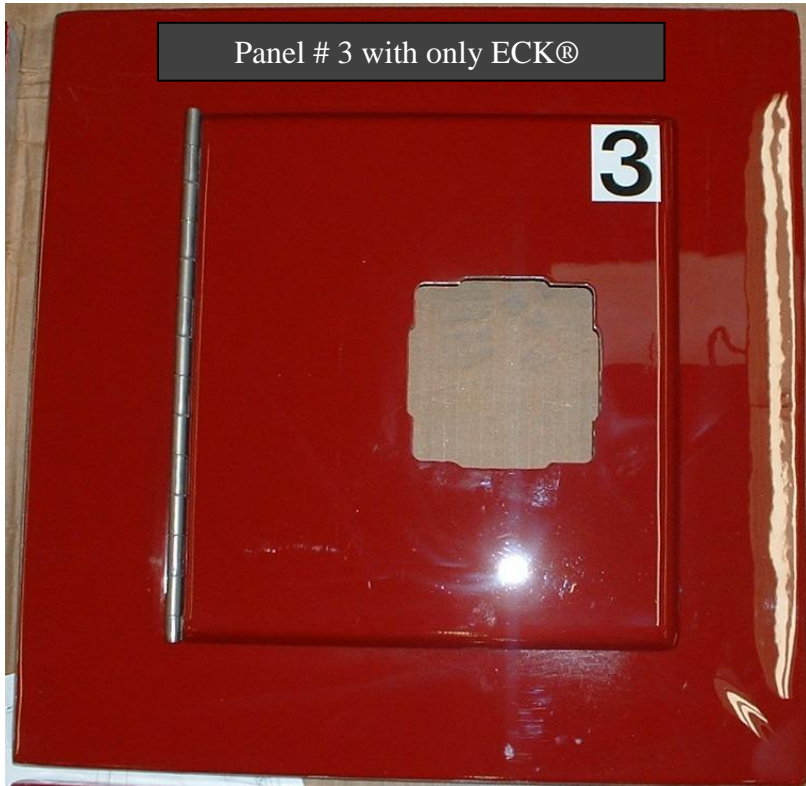
Panel # 1 with both Tef Gel & ECK®



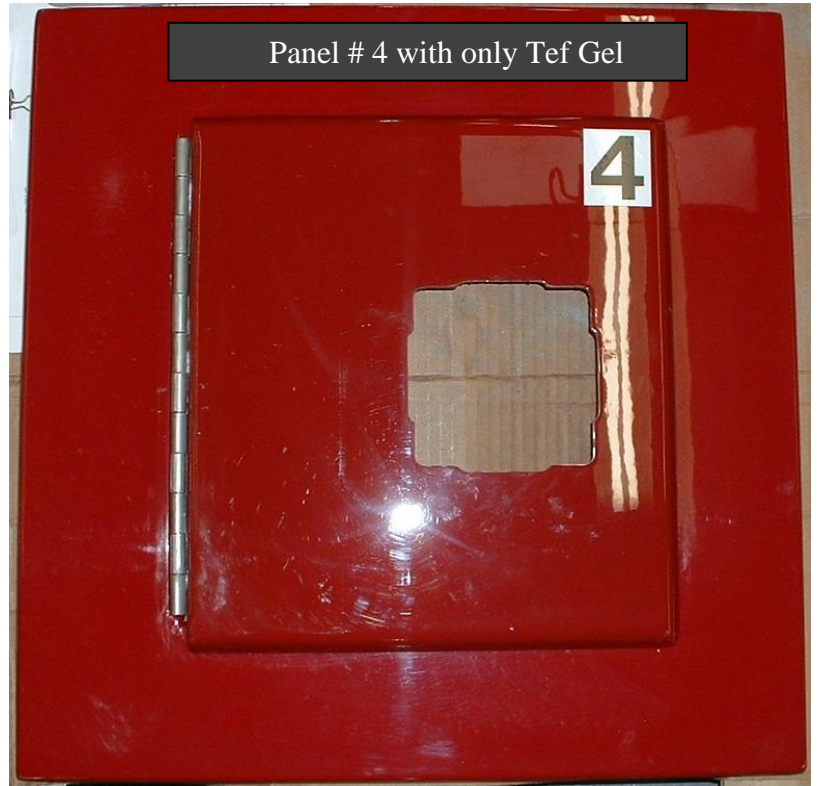
Panel # 2 No corrosion protection



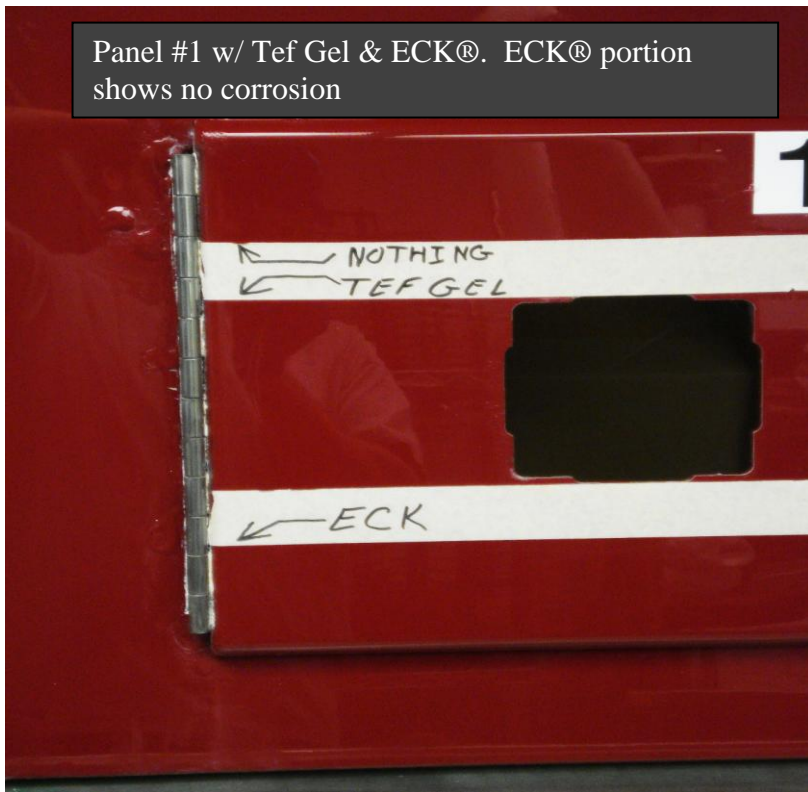
Panel # 3 with only ECK®



Panel # 4 with only Tef Gel



Panel #1 w/ Tef Gel & ECK®. ECK® portion shows no corrosion



Panel #2 w/ no protection shows paint blisters



Panel # 3 assembled with ECK® protection – no corrosion.



Panel # 4 assembled with Tef-Gel shows corrosion blisters.

