



LAB REPORT

SCOPE: High Alkaline Resistance Sealing method with non-crazing properties to meet Qualanod Specification.

PROCEDURE:

Parts were anodized using the following conditions:

Sulfuric Acid	185 g/l
Aluminum	6.4 g/l
Current density	1.7 amps/sq. dm
Thickness	25 microns

Electrolytic Conditions:

Voltage	18 Volts
Time	10 minutes

RESULTS:

Procedures:

GM Alkaline resistance test pH 12.5

- 1) For 10 minutes one drop of 12.5 pH test solution was placed on the panel.

GM High Alkaline resistance test pH 13

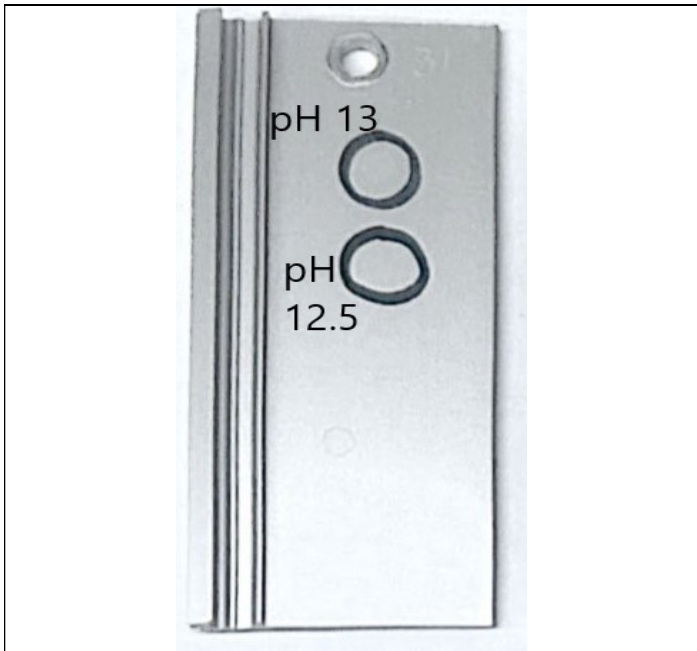
- 2) For 10 minutes one drop of 13 pH test solution was placed on the panel.

Sealing Conditions:

Seal 2:

Techevon RTEF	0.283 g/l	Techevon Seal TMG	3% by volume
pH	6	pH	5.50
Seal Time	20 minutes	Seal Time	45 minutes
Seal Temperature	26°C	Seal Temperature	87°C

High Alkaline Resistance test:

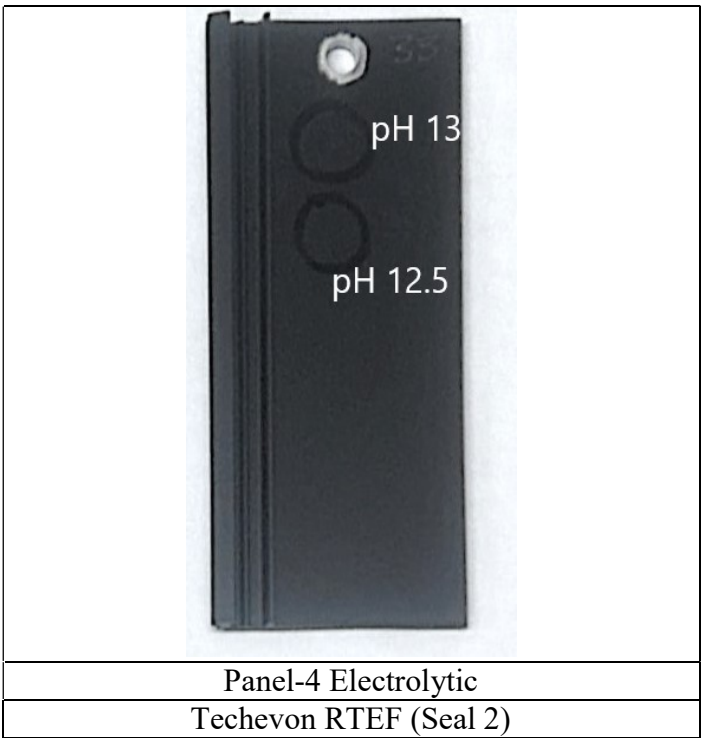


Panel-2 Clear
Techevon RTEF (Seal 2)

Craze Resistance Test:



High Alkaline Resistance test:



Lancaster SC, Manufacturing Facility
1140 Memorial Park Rd
Lancaster, SC 29720
Phone: 803-973-0200
Fax: 847-572-0881
Email: techsupport@techevon.com

Chicago, IL Location
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Techevon Europe B.V.
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NL-4879 AN Etten-Leur
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Web: www.techevon.eu

Craze Resistance Test:



Panel-4 Electrolytic
Techevon RTEF (Seal 2)

Conclusions:

1. All the panels passed the High Alkaline Test.