

BULLETIN D'INFORMATION PRODUIT

INFORMATION PRODUCT BULLETIN

Référence / Reference

BIP 21-001

Page / Page

1

Date/ date

16/07/2021

Découpe des supports des borniers de jonction ferroviaires

Mounting rail cutting of railway terminal blocks

OBJET / Object :

Avec notre sous-traitant historique, la protection des supports se faisait après découpe et poinçonnage de ceux-ci.

Pour des raisons de sécurisation de sous-traitance et réactivité sur nos délais, la découpe et le poinçonnage des supports se font dans le rail protégé de 2mètres.

With our historical subcontractor, the plating of the supports was done after cutting and punching.

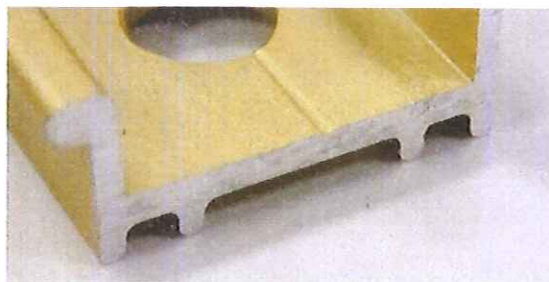
For reasons of security of subcontracting and reactivity on our deadlines, the cutting and the punching of the supports are done in the plated rail of 2m

CARACTERISTIQUES ET PERFORMANCES TECHNIQUES/ Technical Characteristics and performances:

Inchangées. Voir PV d'essais PVE 21-1027 (test brouillard salin 96h).

Unchanged. See test report PVE 21-1027 (96h of salt mist)

CARACTERISTIQUES VISUELLES / Visual Characteristics:



APPROBATIONS / Approvals			EVOLUTIONS / Evolutions		
Engineering Director Directeur Technique	Sales Director Directeur Commercial	Marketing Manager Resp. Marketing	Indice Issue	Date Date	Nature Nature
Signature: 	Signature: 	Signature: 	Ø	16/07/2021	Creation
Date : 19/07/2021	Date : 19/07/2021	Date : 19/07/2021			
Amphenol Air LB – 2, Rue Clément Ader - ZAC de Wé - 08110 Carignan - France - Tél: 03.24.22.78.49 - Fax: 03.24.22.78.75					

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Page / Page

2

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INTERCHANGEABILITE / Interchangeability:

Totale / Total

REFERENCE / Part Number:

Toutes les références de bornier de jonction ferroviaire ainsi que les références de rails non équipés.

All the part number of railway terminal blocks and not fitted rails.

DATE D'APPLICATION / Application date:

Progressivement à partir du 01/09/2021

Progressively from September 1st 2021

TEST REPORT

Reference
PVE 21-1027 Ind.Ø

Page 1 / 6

Subject:

Evaluation of the salt mist performances of rails protected by SP064 whose cutting and holes have been done after treatment.

Evaluation

Qualification

Batch's test

R.A.M.S

Test(s) definition:

Salt mist according to NF F 61-017 (06/1993).

Requirement(s):

NF F 61-017

Starting date of the test(s):

May, the 20th, 2021

Ending date of the test(s):

May, the 25th, 2021

Sample(s) definition:

Reference:

2 RAILS SUPPORT LG 160mm ref. 70110073 064

Issues of drawing:

Ø / a

Batch n° (if applicable):

CF1704756\$414388

Test device(s) definition:

Designation:

Salt mist oven
Temperature recorder
Temperature sensor
pH meter
pH sensor
Refractometer
Thermoregulator

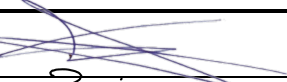



Internal reference:

8000 0190 312
8000 1120 3089
8000 1130 308
8000 0250 309
8000 0310 309-001
8000 0210 309
8000 0800 308

Expiration date:

10/2021
07/2021
07/2021
03/2021
01/2021
04/2022
05/2021

The purpose of the test is to evaluate the salt mist performances of rails protected by SP064 whose cutting and holes have been done after treatment (some slices without protection).

Approved by:	Engineering Director	J.CHEVALIER	Date: 06/08/2021	Visa: 	
Approved by:	Quality Director	V.BEYRIES	Date: 06/08/2021	Visa: 	
Approved by:	D.E.C Applicant	G.POURCHET	Date: 06/07/2021	Visa: 	
Issue	Date	N° DEC	Amendments	Prepared by:	Visa
Ø	05/26/2021	20-1040	Document creation	E.DESHAYES	

1 Visual examination:

1.1 Test method:

The samples have been inspected with naked eyes.

1.2 Requirements:

No loosening of parts, no cracks, no excessive wear or no detached part must be observed on the samples.

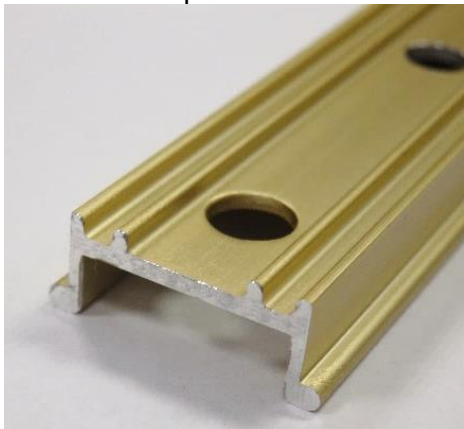
1.3 Results:

There is no defect observed. See following pictures:

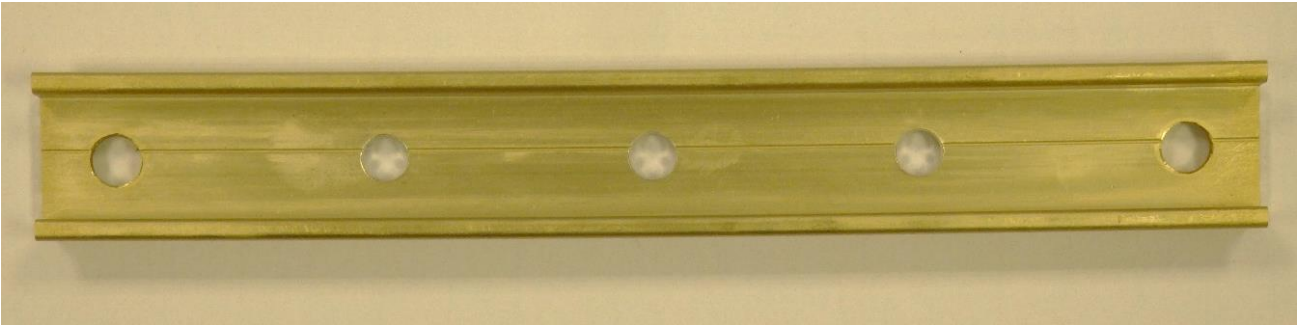
Rail 1



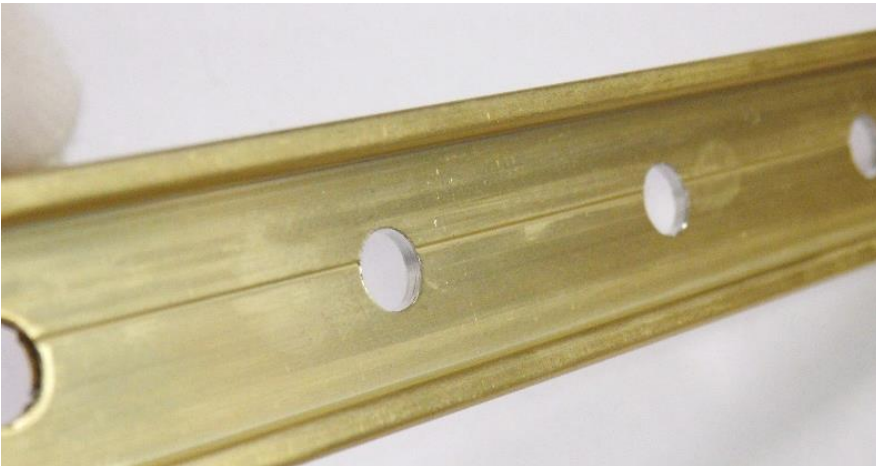
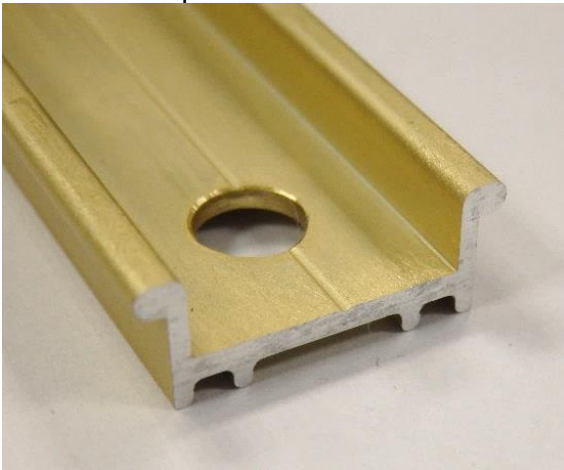
Slices without protection:



Rail 2



Slices without protection:



2 Test 2:

2.1 Test method:

Samples have been suspended in the salt mist oven with following conditions during 96 hours minimum:

- Saline solution contains 5% of NaCl in mass ;
- $6.5 < \text{pH} < 7.2$;
- Temperature inside the test chamber: $35^{\circ}\text{C} \pm 2^{\circ}\text{C}$.

After exposure, samples have been cleaned under demineralised water with a soft brush and dry with pressurized air.

Retaking ambient conditions has been upper than 8 hours.

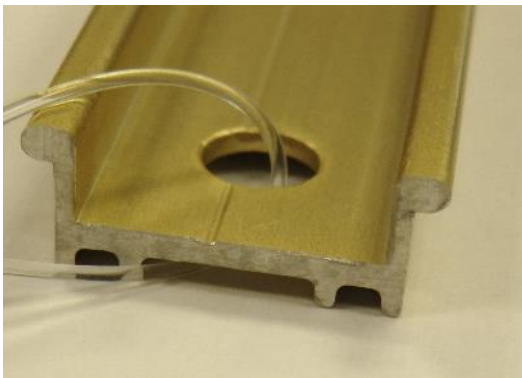
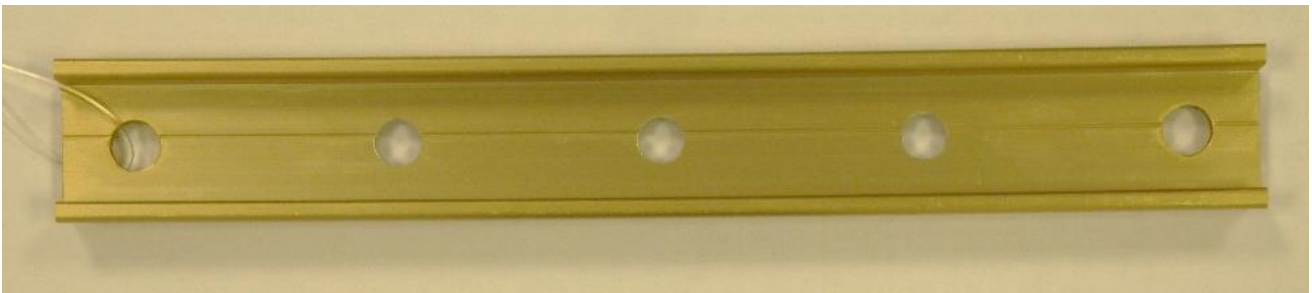
2.2 Requirement:

Visual examination according to §1. There must be no corrosion on all samples especially on non-protected slices.

2.3 Results:

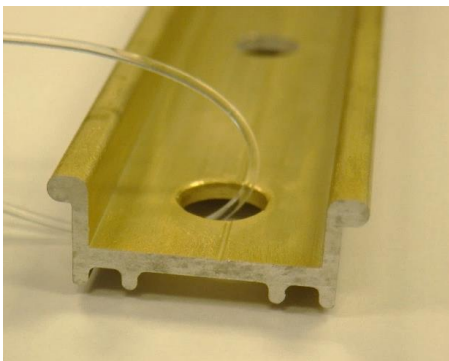
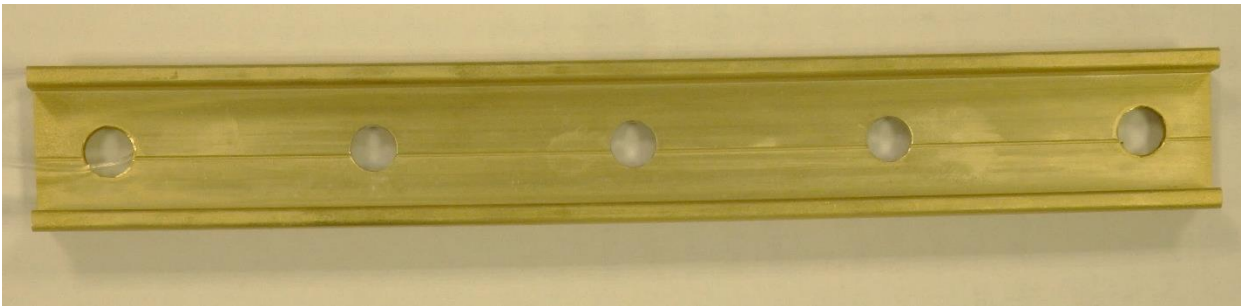
There no corrosion on samples. See following pictures:

Rail 1:





Rail 2:



3 Conclusion:

Rails protected by SP064 whose cutting and holes have been done after treatment are compliant with the salt mist pass criteria according to NFF61-017 (06/1993).