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GSB News
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Dear members of the GSB,

short articles with suggested solutions can save a lot of time in day-to-day business.

Today you are invited to read a guest article on the subject of blistering in AASS testing.

Mike Schirdewahn (Chemetall / hebro chemie) is a member of the Quality Committee Aluminum and contributes to this topic today, explaining how bubble formation during the AASS test can be prevented.

Your GSB Team



Blistering on the Surface in AASS Testing

The AASS test (**A**cedic **A**cid **S**old **S**pray test) is part of the testing scope of all GSB-certified coaters for aluminum.

From time to time, however, the following failure pattern can be observed:

Blistering occurs on the surface during the AASS test. This can happen even though good results were obtained in a possible filiform corrosion test (Sea Proof & Sea Proof Plus additional seal) performed on the same production batch.

Such results indicate that degreasing, pickling and passivation are working well. In such cases, the trigger for the problem is to be found in the rinse process.

Due to low corrosion at the scratch, results like these indicate that salts were still present on the surface. The salts attract water during the corrosion test at high humidity and cause blistering under the paint.

There may be several reasons for this:

1. Too short rinsing time after alkaline pickling or acide pickling.
2. Dried-on residues remain on the surface after alkaline pickling or acidic pickling
3. Too little removal in the acid decap to remove the alkaline residues/dryings on the surface

Now that the reasons for the problem are known, today's article can be concluded in a short, concise and practical manner - with a list of suggested solutions.

1. Optimize dwell time of the rinses
2. Change lifting times

3. Increase bath movement if possible (circulation pump or air)
4. Refresh acidic decapping
5. Increase the removal rate in the acidic decapping bath in order to remove any dried-on residues
6. Ensure correct hanging and position of sample sheets

We would like to take this opportunity to thank Mike Schirdewahn (Chemetall / hebro chemie) for the exciting and practical article.

Editorial Office

We are looking forward to your topic suggestions, questions and comments regarding the GSB-NEWS!

Please contact Philipp Mader:

philipp.mader@gsb-international.de



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