NOCOLOK® news

The Complete Range of Innovative Fluxes

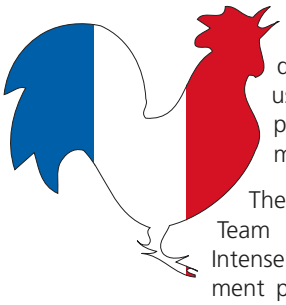
NOCOLOK® Flux

Right to the point!

ISSUE 1/2002

Le coq gallois is standing proud – voilà, the Paris NOCOLOK® Team

The French part of SBU Fluor comprises two separate units: Paris and Tavaux. Management, marketing and sales for France, Belgium and Luxemburg are based in Paris. Organic fluorine compounds, produced in Tavaux, are used either for foam propellants or as raw material for polymers.



The French NOCOLOK Team operates from Paris. Intense contacts to equipment producers are a focus of their local work.

Good service in Paris is personified by two names:

Commercial/Technical Assistance:

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Solvay
Fluor France

SOLVAY

A new member for the US task force

Since beginning of 2002, Andy Baer has backed up our NOCOLOK® Team in North America as Sales Manager. Andy has a Chemical Engineer Degree and an MBA – a valuable addition to our NOCOLOK® Team.

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Tailor-made fluxes

Solvay's NOCOLOK® family has quite a number of members: Apart from the standard product for wet fluxing, we also have the following types in our range:

NOCOLOK® Flux Drystatic
for electrostatic powder coating

NOCOLOK® LM Flux
for special furnace temperatures

$CsAlF_4$
for flame soldering applications

NOCOLOK® Cs Flux
for aluminium brazing of higher Mg containing alloys

NOCOLOK® Zn Flux
for aluminium sheet coating (anti-corrosion)

NOCOLOK® Sil Flux, NOCOLOK® CB Flux
for cladless aluminium brazing

Small scale production started recently and these new types are already enjoying considerable market interest.

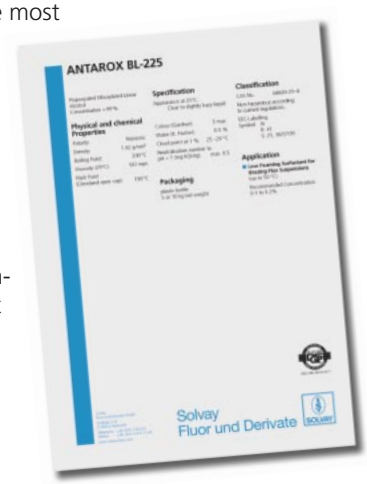
Our on-going R&D efforts are necessary to meet the requirements of our clientele resulting from the trend for stronger materials, designs with more internal brazing, new refrigerants and latest environmental aspects.

Need less surface tension? – Antarox is the answer!

Surfactants are commonly used for wet fluxing. Antarox BL-225 is such a surfactant available on request from Solvay to interested companies as a special service.

Surfactants are added to flux slurries to reduce surface tension and to improve the easy flow of the slurry. Consequently, the flux can be spread more uniformly, resulting in lower flux consumption. This helps avoid unwanted drop formation.

Surfactants are most commonly used when components are thermaly degreased. Its concentration in the slurry (0.1 – 0.2 %) is very low. Foaming is also kept to a minimum during stirring.



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2002 NARSA Convention & Trade Show, Orlando Florida

This was a smaller show than in previous years, running January 16 – 19. There was a noticeable lack of owner-operator participation, it was mainly suppliers selling to suppliers. Only around 1000 attendees found their way to Florida this year.

NARSA is the biggest independent show for the heat exchanger aftermarket in North America. Due to the cost pressure, more off-shore and reseller companies from Asia now dominate the material supplies to this competitive market. But there is also a clear tendency moving from the traditional copper products to more aluminium brazed products.

International Air-Conditioning/Heating/Refrigerating Exposition

Strong advance numbers for 2002 AHR Expo in Atlantic City

1045 exhibitors welcomed around 60,000 visitors during this three day event showcasing their latest product developments in the HVAC+R field.

This show was the first independent presentation by SOLVAY's Brazing Team to a new target group, i.e. the stationary aircon/heating/ refrigeration sector – basically, of course, nothing new for Solvay Fluor, a producer of all refrigerants for this market. Many discussions of various products took place during this interesting show.

As usual, the glass furnace was the general eye catcher on SFD's stand. Beside potential customers, suppliers of this specific industry were also represented, both as exhibitors and visitors.

It can be stated in general that while this industry gives preference to job brazing, it also profits from the support of those heat exchanger producers whose main focus is on the automotive sector.

Our stand for ASHRAE's next Winter Meeting in Chicago 2003 is already booked.

Brazing Events

- **2nd International Aluminium Brazing Seminar, Duesseldorf/Germany**
  May 15 – 17
- **Purdue University Short Course: Design of Microchannel Heat Exchangers. West Lafayette, IN, USA.**
  July 14 – 15

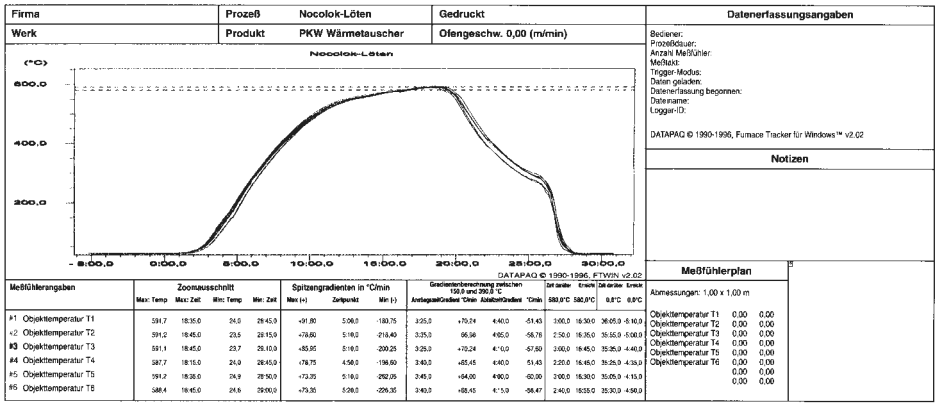
Did you know...

Heat exchanger temperature data by real time measuring

Many of us know about these black boxes packed with various sensors used to measure data on the heat exchanger as it passes through the furnace before production start up. These sensors create a temperature profile of the heat exchanger during furnace brazing. The black box records the data, which are then used as the basis for later optimization of the furnace parameters, or for changing the heat exchanger design of prototypes.

The real-time-system was designed to achieve enhanced optimization. By means of latest radio telemetry technology, the temperature data are simultaneously transferred to the base unit outside the furnace. This enables immediate analysis of the generated data and if necessary, changes in the process can be made during brazing.

Simply e-mail us for more information.



NOCOLOK® NEWS

presents information for NOCOLOK® users.

Publisher:
Solvay Fluor und Derivate GmbH, Hannover
www.solvay-fluor.com

Editorial:
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Production:
Ahlers Heinel Werbeagentur, Hannover
www.ahlersheinel.de

Solvay Fluor und Derivate