

Projects on mineral oil free printing

In Germany, two research projects were launched to develop mineral oil free coldset offset inks.

One started in March, is financed by the Federal Environmental Agency (Umweltbundesamt; UBA) and executed by Fogra and Sächsisches Institut für Druckindustrie (SID). The ink manufacturers Flint and Schuite & Schuite are actively involved. In the first two work packages until August 2016, inks will be developed and tested in laboratory and pilot scale, the latter done at manroland in Augsburg. The main part will be a long-term industrial test at DuMont in Cologne. The print shop will switch one tower to the experimental inks. This phase is planned until March 2017.

According to Fogra, the bulking/shrinking behaviour of the roller covers is the main challenge in the ink development. UBA's motivation is not only to eliminate (aromatic) mineral oil compounds from printing inks, but also to maintain deinkability. Wolfgang Rauh

of Fogra surprised the audience – at least INGEDE and UBA – by stating that only a limited number of deinkability tests will be done during the pilot test phase. It is neither in their scope to test deinkability during the industrial test phase, nor will the inks be modified if they should show a deficit in deinkability. INGEDE will take care of an own testing program, also from the industrial test run.

The second project is financed within the IGF funding scheme and executed by PTS and as well by SID. There the approach is different: Deinkable coldset inks will be developed in the laboratories of SID. The ink manufacturer Schuite & Schuite is involved as well. As soon as a deinkable and functional ink is ready, it will be produced in a limited quantity and run in full scale at a print shop in Weimar. The project period is from April 2016 to March 2018.

Andreas Faul

Meeting of WG “Paper for Recycling” at Utzenstorf on 27-28 April 2016

Utzenstorf Papier in Switzerland was ready to invite both, the Working Group Paper for Recycling and Deinking Process on 26 – 28 April 2016. The groups grow together and had a common session for some general topics about the recycling landscape covering the Declaration of Paper Recycling, the REFFIBRE Project, a project dealing with modified mineral oil based inks, the revised grade list in the US, latest activities in standardisation and last but not least the progress in the big project IMPACTPaperRec. The Paper for Recycling Working Group held its meeting afterwards. Members reported about their latest experience. The general mood reflects a declining trend at the Deinking quality. Stickies problems occur more often, cardboard content is getting higher and waste management companies upgrade their sorting plants with additional equipment to

fight against the trend. Mills which are focused on baled material are investing in drilling machines for an intensified quality inspection. The changing composition in collected paper for is a crucial element which INGEDE is going to follow more in detail. In addition INGEDE intends to support a new AiF project investigating the actual composition of the 1.11 grade. Projects, where the Group would like to work more targeted are standardized sampling, the moisture measurements at bales and the use of FT-IR for the evaluation of the delivered paper for recycling.

The next meeting is scheduled for 8th-10th November 2016 again in close cooperation with the Working Group Deinking Process. The meeting will take place at LEIPA's Schwedt mill.

Manfred Geistbeck

CALENDAR OF EVENTS

31 May-10 June 2016

drupa
Düsseldorf, Germany

01 - 3 June 2016

Asian Paper
Bangkok, Thailand

01 - 03 June 2016

FEPE Congress
Barcelona, Spain

14 - 15 June 2016

Auswahl und Bewertung von Altpapier
Heidenau, Germany

20 - 22 June 2016

DOXNET
Baden-Baden, Germany

28 - 30 June 2016

Zellcheming Expo
Frankfurt, Germany

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Statistics (for members only)