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## **Flock and Stiftung Warentest a German product test foundation**

In the November Issue of 2009 Stiftung Warentest published a report about sports shirts, called „Teure Treue“ or Expensive loyalty. Amongst others also the tricots of the German football league teams Eintracht Frankfurt and the FSV Mainz 05 have been tested and softener was found in the emblems of the clubs.

When talking of printing shirts with emblems or advertisement, there it is often understood the mean flocking without describing the material any further. It is very important to consider the different ways of printing and material as a lot of different materials with different chemical compositions are used.

You can recognise flocking by its velvet like surface and moreover it is made of separate textile fibres. On football shirts unfortunately flocking is hardly used anymore, but plastisol transfers or rather plastisol prints are used instead. Plastisols can contain phthalate as softener. But there are also many plastisol colours without phthalate.

In case the customer has not issued a specification, service providers, i. e. textile printers, prefer the colours which are easy to handle. Plastisol colours are easy to handle, because they do not dry up while printing and furthermore dry very fast when there is an impact on heat on them.

The ingredients of plastisol colours are forbidden for toys from the EU at present because children put toys in their mouth or chew on them. This has not led to the exclusion of plastisol colours for textile printing.

Furthermore Schaumflock or foamflock has been mentioned, this material does not exist. What is meant by this is flock transfers which have carrier foil of PVC and which are applied on textile with high frequency technology. There are also foils with phthalate but also foils free from it. The softener in these foils is not an ingredient of the flock but of the PVC carrier foil.

So the expression of phthalate in sports shirts is misleading. Flock itself is always free from phthalate.

join the textile community!



INTERNATIONALE FACHMESSE FÜR TEXTILDRUCK, BESTICKUNG, TRANSFER UND BEFLOCKUNG

INTERNATIONAL TRADE FAIR FOR TEXTILE PRINTING, EMBROIDERY, TRANSFERS AND FLOCKING

**TecStyle Visions TV**

**04.02.-06.02.2010**  
**Messe Stuttgart**

[www.tecstyle-visions.com](http://www.tecstyle-visions.com)

Messe Stuttgart  

### Industry Partners show direct flocking

At the upcoming tecStyle Visions Fair the show about the workflow of flocking textiles will be the technical highlight. In hall 1, stand H 71, cotton bags of Westford Mill will be printed and flocked, afterwards they will be forwarded as a give-away. Interested parties can follow up on the complete process. The main subjects will be the creation of the layout, the materials, the screen making, adhesives, flock fibres, the process of electrostatic flocking, drying as well as cleaning and evaluation systems.

Showing direct flocking on a screen printing carousel at a fair demands a high level on equipment as well as funds. The realisation of the Flock Application Area is possible because of financial sponsoring, active support and the supply of materials through the following partners.

Main sponsors:

Maag Flockmaschinen GmbH  
MHM Siebdruckmaschinen GmbH  
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### 20th FAKUMA Drives the Plastics Technology Economy

FAKUMA's anniversary exceeds all expectations, exhibitors close business transactions with customers from 90 countries, more than 37.000 expert visitors and a total of 500.000 visitors throughout FAKUMA's history to date

Once again in 2009, the FAKUMA international trade fair for plastics processing has lived up to its reputation as Europe's, if not the world's most important plastics trade fair. This applies above all to the field of injection moulding technology, and FAKUMA is plainly the world's number one event in this area! But not only in this sector – because FAKUMA is also the international leader where extrusion and thermoforming technologies are concerned. This also became plainly apparent in a highly convincing fashion at FAKUMA's 20th anniversary event which was held again at the Friedrichshafen Exhibition Centre on Lake Constance from the 13th through the 17th of October.

**More than 37,000 Expert Visitor and a Total of More Than 500,000 Visitors**



FAKUMA was able to assert itself on its 20th birthday despite turbulent times within the market. More than 1500 exhibitors came from over 30 countries and occupied more than 910,000 square feet of overall exhibition floor space at the Friedrichshafen Exhibition Centre, which has once again been expanded. Furthermore, the 20th FAKUMA drew 37.281 expert visitors from more than 90 countries around the globe, the event rightly lays claim to its title as an "international trade fair for plastics processing". Beyond this, the five hundred thousandth expert visitor to attend FAKUMA over the years, Mr. Kornel Barna, was welcomed already on the third day of the event. Further indication of the enormous international importance placed upon FAKUMA, is the extremely strong media presence demonstrated by just under 500 representatives of the trade press, the business press and the daily papers is and even radio and television were on hand providing extensive coverage of the event.

### FAKUMA as a "Genuine" Sales Platform

In the end, the plastics technology economy proved itself highly robust at FAKUMA, and revealed that it's regaining its strength: Numerous exhibitors who came to Friedrichshafen with relatively low expectations were able to transact surprisingly good business, and are now reporting well filled order books, which hasn't been the case for quite some time in this innovative industry.

Full of joy, some of the exhibitors reported spontaneous trade fair sales and great interest in concrete solutions, which is also a positive sign that the industry is not fixated solely on better times after the crisis, but rather is consistently paving the way for more productivity and efficiency right now. In summing up what is now being called the most successful ever FAKUMA trade fair for plastics technology by all involved parties, it

can be said that it took place at precisely the right time and provided the market with powerful impetus for lasting business. Once again, FAKUMA has demonstrated its qualities as a "plastics ambassador" and a "trailblazer for solutions with plastics", which opens up tremendous future opportunities for the entire industry with regard to efficient use of resources, lightweight construction and energy efficiency.

The next FAKUMA will take place from the 18th through the 22nd of October, 2011.



*Against the expectations the exhibitors of the Flocktechnikstand, Casati - KIWO - maag I flock - Schuster Beflockungstechnik were very happy about the developments at the fair.*



### Association and members exhibit

From 13th – 15th of October 2009, international developing- and design experts met at the MATERIALICA, Trade Fair for materials application, surface technology and product engineering in Munich, Germany. To support the toppings of the Trade Fair, four key aspects were organised under the umbrella brand MATERIALICA: COMPOSITES, METAL LIGHT, CERAMICS and SURFACE. The MATERIALICA presented itself with 283 participating companies of 11 countries as well as an extended congress- and conference program. Together with the parallel exhibition eCarTec 10.624 international visitors were attracted to Munich.

As already announced in the FLOCK-News 04/09 and also in our Fair special, the Association has exhibited with its members Borchert + Moller GmbH & Co.KG, Hella Priem Beflockungs GmbH and Koscham GmbH.



With the participating companies comprehensive information about the flock technology was ensured for visitors of different kinds of fields, like product engineering, the automotive sector, technical colleges and universities.

The next MATERIALICA will take place from 19. to 21. Oktober 2010. The Tradefair eCarTec will be at the same time as a parallel exhibition.

For further information please check [www.materialica.com](http://www.materialica.com)



PROMOTIONAL GIFT  
AWARD 2009

für den Coffee2Go-Becher

### The flocked cup 2go

Mahlwerck Porzellan is a very fancywork, lively and innovative manufacturer of porcelain for advertisements.

The form of a Coffee2go-cup has not been invented by Mahlwerck-Porzellan but – it has been refined.

Now, coffee can be enjoyed with style and environmentally friendly. Nothing will be spilled over anymore – Coffee2go stands secure, even on your desk.

The cup is made of high quality porcelain and can be closed with a plastic lid which can be used again and moreover is dishwasher safe. The silicone ring as well as the flocking, which come with it, are used for heat protection.

Well thought out?

This was also thought by the Jury of the „Promotional Gift Awards 2009“, which has awarded us with this price.

Coffee2go nominated for the german design price.

Coffee2go with style gets more and more popular. Our porcelain cup is now nominated for the german design price. We are very happy about it, because the nomination itself is an honour.





**Kinder**  
**SURPRISE**

### - A world of its own

Born in 1974, Kinder Surprise is a unique treat, famous for its combination of delicious chocolate and the exciting toy which can be found inside.

Also flocking can be found in the Kinder Surprise

Comment Ferrero MSC GmbH & Co. KG

*Flocking has been used for the figures in the Kinder surprise several times already. The reason for it is the requirement on an exciting and innovative figure inside the egg which surprises the consumer. The choice on Material is an important aspect. Flocked toys are a good alternation to the often used plastic figures.*

In the current assortment the "Dino" production is flocked.

[www.ferrero.com](http://www.ferrero.com)

#### FLOCK-News

Free newsletter of the Association of Flock Industry Europe (reg.)

#### Publisher:

Association of Flock Industry Europe (reg.)  
Treppendorfer Str. 16  
96138 Burgebrach

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Frequency: monthly, bilingually  
(German and English)

#### Advertisements + Layout:

S. Thaler  
+49 (0) 9546 595840

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