



# Berger Research Information

## Defects on digital printing fabrics

**Dear Customer,**

to answer frequently asked question (FAQ) about defects in textiles we have put together the following general information about textile production and quality control.

### 1. Quality control/frequency of defects

All Berger fabrics are quality controlled. The inspection is made visually and systematically, but errors are human, the controllers can overlook defects. Our German quality standard is the highest in the world. The standard of the German textile industry allows up to 9 defects on 100m, but this quota normally is never reached. Generally all fabrics have defects and its impossible today to produce fabrics without defects. Some of our articles have an inspection report inside the packing, others have not. All mayor defects are normally cut out of the rolls, there should not be bigger holes or seems in the rolls witch can damage the print heads. Smaller defects have to be left in the rolls t not produce only short rolls. Longer, systematic defects, like long stripes are not left on the rolls.

### 2. Types of defects

#### Weaving/knitting defects

- broken fibres (knotted), thicker fibres, dirty fibres,
- hairy/upstanding fibres
- holes
- dust/dirt can be weaved in

#### Coating/finishing defects:

- spots, oil spots or other dirt spots
- **machine stand still (about max 10m)**  
the fabrics shows after dyesub printing round spots with pale/flat colors.
- **upstanding edges**  
cut rolls of woven fabric can sometimes show some wavy edges
- **tension problems**  
woven fabrics can rarely show tension difference between the middle and the edges of the roll
- **Coating stripes**  
knife coated fabrics show rarely stripes in length direction of the fabric
- **Moiree effect**  
no material defect, please look at research information under "know how"

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

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The information in this information sheet are based on findings obtained in practice. Because of the high number of factors which can have an effect during handling and application, customers tests will be required. A legally binding guarantee of specific properties is not to be inferred from our technical information. The information given here may be subject to be changed without notice. This product does not require MSDS data sheets.



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### Winding/packing/transport:

- **Bended cores**  
the most frequent defect!  
When tubes bend in the middle while transported on a forklift with a spike or hang trough in the middle when 2 people carry it (normally only on rolls wider than 250cm). Diagonal weaves (45 degree angle to the roll) from the middle to the sides appear on the roll, but not more than one third of the roll. These rolls have to be rerolled completely.
- **Broken tubes**  
broken cores mostly show just one wave at the broken spot in a 90 degree angle to the roll. These rolls can be rerolled or cut into 2 rolls.
- **Bad winding**  
lots of different defects appear because of bad winding, but this is a very rare problem
- **Transport problems**  
please note visible transport problems on the delivery stating papers "qualified acceptance/ Annahme unter Vorbehalt". This is necessary to get compensation from the transport insurance.

### 3. Claiming

In the rare cases of claims, please help us to find the reason of the claim to improve our standards. We need the following information to start working on the claim.

Article number:

Batch/lot number:

Description of defect:                      Length of defect/repetition/quantity defects? Please stop printing after a circular defect is remarked.

Photos of the defect:                      Clearly mark the defect with a pen

Samples you send:                      Clearly mark the defect with a pen  
Write the batch number on the sample  
Put your company name and date on the sample

Printer/ink:                                      Solvent, UV, Latex, dyesub, transfer etc.

Experience:                                      Did you use that fabric before?  
Was the defect visual before printing?

keep samples                                      Do not waste the sample until the claim is settled.  
We may collect them for further investigation.

After receiving your information we will react fast and will help you immediately!!!

Sincerely

**Your Berger Team**

April 2011

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