

# CONTRACT



## Carbonless Paper

# Mitsubishi HiTec Paper

## Passion for First Class HiTec Papers

As a leading international supplier of direct thermal, inkjet, carbonless and barrier papers, we produce first class coated speciality papers for many applications and printing technologies. Our HiTec papers combine decades of know-how with state-of-the-art coating technology and professional converting equipment.

The responsible handling of resources is particularly important to us. We manufacture in the framework of an integrated management system (DIN EN ISO 9001, 14001 and 50001 as well as DIN ISO 45001 and DIN EN 15593) and we are FSC® and PEFC certified.

We are a flexible medium sized enterprise within the international Mitsubishi Group. Consistent research and development is the foundation for great innovation. We offer a large portfolio of standard products and develop individual, customized solutions for our customers. We offer the best global sales network and technical service to our customers all over the world.

- › Huge experience and competence in paper making
- › State-of-the-art coating technologies and formulations
- › German-Japanese Research & Development
- › Wide range of products
- › Excellent Technical Service
- › Worldwide Sales Network
- › High innovative power
- › Made in Germany



» Quality paper is the foundation.  
Incomparable added value is created  
by excellent coating. This is our  
passion: First class HiTec Paper. «



# Proven.

## Contemporary range of carbonless papers

We have been producing the proven Giroform carbonless papers in our Bielefeld factory since 1979. Standard types are produced there under ISO 9001, ISO 14001, ISO 45001 and ISO 50001 and supplied worldwide.

The Giroform brand stands for high-quality carbonless papers with black copy on wood-free base paper. Giroform fulfils many of our customers' requirements. Naturally FSC or PEFC certified – and therefore particularly environmentally conscious.

All Giroform carbonless papers offer a high level of application safety and ease-of-use: from the printing process through further processing to disposal, being entirely recyclable.

### AT A GLANCE

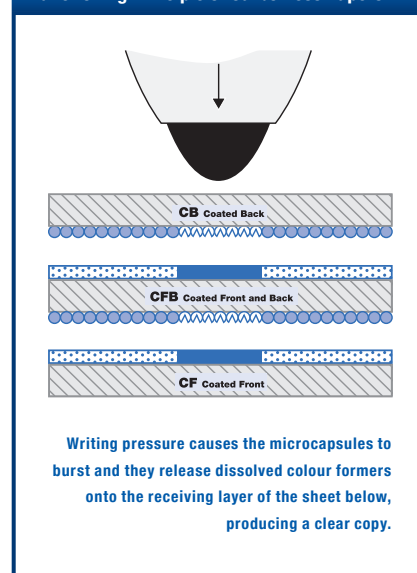
- > Market-driven, contemporary assortment
- > Good running and finishing properties
- > Excellent copy
- > Outstanding line sharpness
- > Great printability
- > Copy durability up to 10 years
- > Available in white and two other organisational colours
- > Available in reels only
- > FSC or PEFC certified available
- > Made in Germany
- > Worldwide technical service & sales
- > Accessories available



## GOOD TO KNOW

All Giroform carbonless papers are available FSC or PEFC certified.

### Functioning Principle of Carbonless Papers



# CONTRACT

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# Classic or Ultra.

## Top quality carbonless paper

With Giroform, we offer a market-driven, contemporary range of elemental chlorine-free carbonless papers in top quality. Giroform carbonless paper is distinguished by good running characteristics, an excellent copy, outstanding line sharpness and great printability.

Copyability is guaranteed for up to five years. The copy itself is guaranteed to last for up to ten years.

## Giroform CLASSIC

### For all kinds of forms, e.g. logistics documents

- > Available in white and two other colours (yellow and pink)
- > Excellent running characteristics
- > High copy intensity with strong contrast and excellent line sharpness
- > High process reliability with self-separating gluing
- > Excellent desensitisation

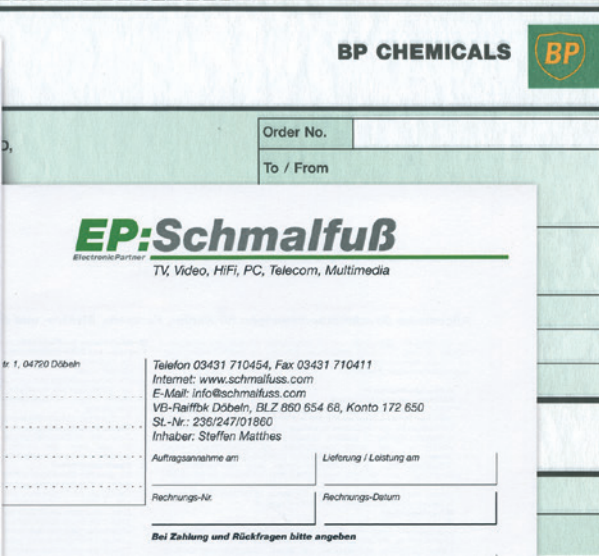
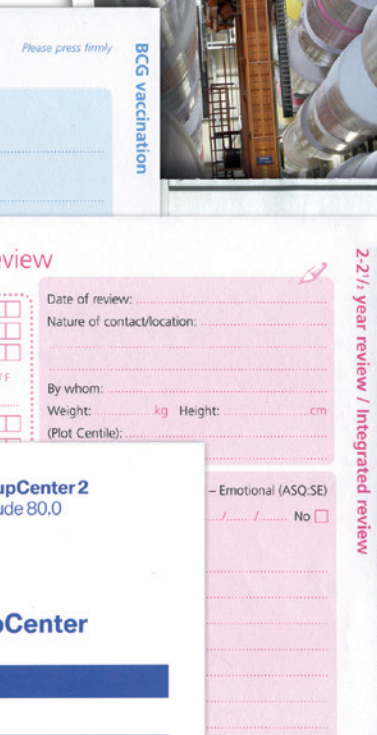
## Giroform ULTRA

### For demanding documents, e.g. business forms

- > High white top surface
- > Increased opacity
- > Excellent printing characteristics
- > Ideal for more demanding sheet printing
- > High processing reliability with self-separating gluing
- > Excellent desensitisation



High racking for interim storage of the Giroform jumbo rolls. Fully automated and air conditioned.





# In addition.

## Specially designed Giroform Accessories

If required, we can supply various accessory products to go with our range of Giroform papers. For example desensitising ink, test spray or test pens. On demand and perfectly fitting.

- **Giroform Desensitizing Ink**  
For the prevention of a copy forming in certain areas on the top surface of CFB and CF sheets in all types of forms.
- **Giroform CF Spot Colour**  
Special ink for printing on standard offset papers. For special form applications where a copy is only required in small fields (e.g. address field).
- **Giroform CB Test Spray**  
For checking and evaluating correct impression settings and identifying capsule damage in CB and CFB grades.
- **Giroform CF Test Spray**  
For the identification of desensitized areas on CF and CFB sheets.
- **Giroform CB Test Pen**  
For the identification of the capsule coated reverse side of the sheet.
- **Giroform CF Test Pen**  
For the identification of the top or receiving side of the sheet.



# Good to know.

## Technical information about carbonless papers

When using Giroform CLASSIC CB 52 gsm, CFB 51 gsm and CF 53 gsm a good **copy** can be achieved as follows:

- > Hand writing: 4-parts to 6-parts
- > Matrix printer: 3-parts to 8-parts
- > High speed printer: 3-parts to 6-parts

With correct storage, the paper's **ability to produce a copy** is guaranteed for up to five years.

**Resistance to ageing** and therefore the durability of the copy is guaranteed for at least 10 years (at constant temperature of 18–24 °C and relative humidity of 40–60 %). Archive samples have shown that **long-term storage** of at least 25 years can be expected if stored correctly.

Giroform is compatible with all common **printing processes** such as high/dry offset, wet offset and flexographic printing.

Self-separating sets can be produced easily using the special Giroform **fanapart glue**.

A copy can be prevented from forming in certain areas of a form. For this, please use the original Giroform **desensitizing** ink, and the specially developed Giroform CF test spray or CF test pen to test the desensitized areas (as well as normal copy tests).



## Further information

You can find a wide range of detailed information on Giroform carbonless papers in the Download Centre on our website [www.mitsubishi-paper.com](http://www.mitsubishi-paper.com), for example:

- > Technical Handbook
- > Accessories – Product information
- > Accessories – Processing instructions
- > Standard reels specs

**Our explanatory videos help with technical questions:**

- > Processing: Self-separating gluing
- > Print: Desensitising
- > Print control: CB Test Spray (correct impression settings)



Or write to us:  
[technical.service.mpe@mitsubishi-paper.com](mailto:technical.service.mpe@mitsubishi-paper.com)



As a responsible manufacturer, we strive to produce and process our products in the most environmentally friendly way and to the highest standards of quality. We take our social responsibility seriously and are active in various environmental associations and organizations. Complying with and conforming to rules and regulations goes without saying. Social commitment is an important part of our corporate culture.

#### Certifications:

- › FSC Chain-of-Custody
- › PEFC Chain-of-Custody
- › DIN EN ISO 9001
- › DIN EN ISO 14001
- › DIN EN ISO 50001
- › DIN ISO 45001
- › INREKA, DIN EN 15593



#### Memberships:

- › B.A.U.M.
- › ChePap Rhein-Ruhr
- › Modellfabrik Papier
- › Ökoprofit® Klub OWL
- › Two Sides



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