

## SUPPLY RANGE

|                      | Standard two-side coated |     | „manual“ two-side coated |     | „copy+laser“ uncoated |     |       |     |
|----------------------|--------------------------|-----|--------------------------|-----|-----------------------|-----|-------|-----|
|                      | white                    | 50. | coloured                 | 50. | white                 | 53. | white | 30. |
| 90 g/m <sup>2</sup>  |                          |     |                          |     |                       |     | x     |     |
| 100 g/m <sup>2</sup> | x                        |     |                          |     |                       |     |       |     |
| 120 g/m <sup>2</sup> | x                        |     |                          | x   |                       |     | x     |     |
| 150 g/m <sup>2</sup> | x                        |     | x                        |     |                       |     |       |     |
| 200 g/m <sup>2</sup> | x                        |     |                          |     |                       |     |       |     |
| 250 g/m <sup>2</sup> | x                        |     |                          |     |                       |     |       |     |
| 300 g/m <sup>2</sup> | x                        |     |                          |     |                       |     |       |     |

pretex® is available in reels or sheets.

### Standard Sizes

61 x 86 cm; other sizes on request (e.g. 70 x 100 cm).

Sheets > 100 x 140 cm on request.

Maximum reel width: white 255 cm; colour 122 cm.

### Colour Selection

white, blue, green, yellow, red

**Different basis weights or colours on request.**

Printed on pretex® 50.120, 30/500/02/09/LVK



**NEENAH** LAHNSTEIN

pretex®  
product and  
processing information



**NEENAH** LAHNSTEIN

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The information contained in this brochure is based on our knowledge and practical experience. Due to the variety of possible influences during processing and use we recommend that the customers carry out own trials to test our products. Changes due to technical progress or internal development are reserved. A legally binding guarantee of certain properties cannot be derived from the statements in this brochure.

**pretex®** – High quality impregnated special papers for those cases where normal paper is just not robust enough. For manufacturing, selected pulp and synthetic fibres (polyamide and polyester) are used in combination with a special impregnation.

**pretex®** is available double-side coated (50. and 53. grades) or uncoated (30. grades).

### PROPERTIES

- high strengths
- very lightproof and colour fast
- water resistant
- withstands strong mechanical strain when wet and when dry
- very good ageing resistance
- high temperature resistance
- resistant against many organic solvents

### Safety

During production, no environmentally hazardous substances like organic solvents, PVC, formaldehyde or ODC-compounds are used. No environmentally harmful breakdown products occur at waste disposal sites or during incineration.

### Temperature Resistance

**pretex®** has a high level of temperature resistance. A brief increase in the temperature strain of up to 180° C does not impair the material properties. Temperature strains from 180° C can lead to a discolouration of the surface.

### Ageing Resistance

**pretex®** is resistant to ageing (DIN 9706 or DIN 6738) and has a high UV resistance. There are no optical brighteners used.

### Resistance to Solvents

**pretex®** is resistant to most organic solvents. In direct contact with acids or tabloid caustic solutions, losses of strength or discolourations are possible. We recommend to carry out individual tests.

### PROCESSING

- varnishing
- folding
- perforating
- punching (except crown/star hole punching)
- creasing
- grooving
- drilling
- glueing
- sewing
- eye-letting
- embossing (e.g. blind- or hot film embossing)

### APPLICATIONS

- geological and leisure maps
- educational and visual charts
- technical documentations
- racing numbers
- charts/plans for outside
- posters
- large-format advertising
- pennants
- carrier bags
- brochures and envelopes
- construction material labels
- tags
- menus and place mats
- ID-documents

### PRINTING

**pretex®** can be successfully processed in all classic printing processes (except rotogravure printing). The grain direction should be considered.

### Printing Shop Climate

Just like with all papers, you have to make sure there is the right climate in the printing shop for **pretex®** as well.

The optimum is approx. 20° C at approx. 50 – 60 % relative humidity. We recommend storing the packed reams and reels for at least 24 hours in the printing shop so they can adjust to the temperature. Please only open the vapour-proof packaging just before starting to print.

### Printing Inks

The white **pretex®** grades can be printed with standard printing inks. Special film printing inks are not required. For coloured **pretex®** grades we recommend oxidative inks, if necessary with the addition of a drying agent. Please take care to make only minimum use of damping in the machine.

Leading ink manufacturers know **pretex®** and will recommend suitable inks on request. For offset printing on our uncoated **pretex®** grades, we recommend to use special offset colours suitable for laser printing whenever the application requires further processing in laser printers. **pretex®** can be written upon with all common writing utensils.

### Continuous Form Printing

All coated **pretex®** grades can be printed by continuous form printing. The uncoated grades are suitable under certain conditions; we will gladly give you detailed information on request.

### Digital Printing

The white **pretex®** grades are suitable for different digital printing processes and have been successfully tested by XEIKON and NexPress. The corresponding script files and technical data sheets can be found on the XEIKON (Punch Graphix) and NexPress websites, or you can request them from us.

There is currently no certification for HP Indigo, but experiences from different applications show that the white **pretex®** grades can be printed on well.

### Copy Machines and Laser Printers

The uncoated **pretex®** grades 30.090 and 30.120 were especially developed for the use in laser printers and copy machines. The coated grades are also suitable for various machines. A list of experiences with different types of machines is available at [www.neenah-lahnstein.de](http://www.neenah-lahnstein.de).