

**neobond®** – Durable and hardwearing synthetic fibre papers: the ideal substrate for everything that should last long and put up with a lot.

The double-side coated **neobond®** grades comprise a mixture of selected pulp and synthetic fibres which are reinforced by a special impregnation.

**neobond®** is available with different security features (e.g. water mark, fluorescent fibres, reagents).

### PROPERTIES

- high tear resistance
- very light-proof and colour-fast
- outstanding dimensional stability
- high folding strength when wet and when dry
- very good ageing resistance
- high temperature resistance
- water resistant
- resistant against many organic solvents
- fraud-proof (can be provided with security features)

#### Ageing Resistance

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

#### Resistance to Solvents

**neobond®** 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)

### PRINTING

**neobond®** synthetic fibre papers can be successfully processed in all classic printing processes (except rotogravure printing).

The grain direction is not of primary importance.

#### Printing Shop Climate

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

For **neobond®** we recommend oxidative and alkali-proof inks. Please take care to make only minimum use of damping in the machine. Leading ink manufacturers know **neobond®** and will recommend suitable inks on request.

#### 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

**neobond®** 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.

### APPLICATIONS

- index sheets
- durable documents (car registration, documents)
- ID-documents (vaccination- and emergency documents, membership and employee cards)
- facsimile
- educational and visual charts
- luggage tags
- entry tickets
- high quality catalogues

**neobond®** can be written upon with all common writing utensils.

#### Continuous Form Printing

**neobond®** 61.150 EFD was especially developed for continuous form printing. For grades from 200 g/m<sup>2</sup> no special EFD-quality is required. Due to the high elasticity of these special papers, you should reduce the tensile strain to avoid overstretching.

#### Digital Printing

**neobond®** can be successfully printed with a wide range of toner-based processes. However, there is no certification for this process.

#### Copy Machines and Laser Printers

**neobond®** can be easily processed in single-sheet feed on many machines.

A list of experiences with different types of machines is available at [www.neenah-lahnstein.de](http://www.neenah-lahnstein.de).

## SUPPLY RANGE

	Standard two-side coated white	Standard two-side coated coloured	„SUPER“ two-side coated higher tear resistance white	„EFD“ two-side coated for continuous form printing white
100 g/m	x			
150 g/m <sup>2</sup>	x			x
200 g/m <sup>2</sup>	x	x	x	
220 g/m <sup>2</sup>	x			

neobond® 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: 122 cm.

### Colour Selection

white, blue, green, yellow, beige, orange, pink, grey

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

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.

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# neobond®

product and processing information

