

# D.Release®

## Overview of the products.

	D.Release® Structural	D.Release® Silicure	D.Release® Silicure Millennium
PRODUCT	Embossed back release paper based on a single-side coated paper	Flat release paper based on smooth, single-side coated papers	Strip-like, flexible, three-dimensional matrix to create structured surface materials
APPLICATION	Multiple application in double-strip processing systems for die laminated panel production (CPL)	Single application in HPL and multiple application in CPL systems	Multiple application in CPL, HPL and continual systems to create structured surface
BASIS	160 g/m <sup>2</sup> through 240 g/m <sup>2</sup>	70 g/m <sup>2</sup> through 180 g/m <sup>2</sup>	97g/m <sup>2</sup> and 180 g/m <sup>2</sup>
FUNCTIONS	<ul style="list-style-type: none"> <li>• Provides gloss</li> <li>• Provides structure</li> <li>• Releases from many materials</li> </ul>	<ul style="list-style-type: none"> <li>• Provides gloss</li> <li>• Releases from melamine and phenol</li> </ul>	<ul style="list-style-type: none"> <li>• Provides gloss</li> <li>• Provides structure</li> <li>• Releases from many materials</li> </ul>
BENEFITS	<ul style="list-style-type: none"> <li>• Multiple application</li> <li>• Inexpensive</li> <li>• Fast design selection</li> <li>• Simple handling</li> <li>• Low investment costs compared to established tools</li> <li>• High availability</li> <li>• Short-term availability</li> <li>• Huge innovation and development potentials</li> <li>• Consistent gloss level</li> <li>• Ecological disposal</li> </ul>	<ul style="list-style-type: none"> <li>• Flexible applications and simple handling</li> <li>• Optimal heat transfer</li> <li>• High thermal resistance</li> <li>• High paper density for consistent surface properties</li> <li>• Simple adjustment of gloss</li> <li>• High availability</li> <li>• Short-term availability</li> <li>• Ecological disposal</li> </ul>	<ul style="list-style-type: none"> <li>• High form stability of the structure</li> <li>• Excellent potentials in interaction of print design and structure</li> <li>• Flexible design selection while highly-economical</li> <li>• Optimal heat transfer</li> <li>• Simple handling</li> <li>• Low investment costs compared to established tools</li> <li>• High availability</li> <li>• Short-term availability</li> <li>• Huge innovation and development potentials</li> <li>• Consistent gloss level</li> <li>• Ecological disposal</li> </ul>

# D.Release®

RELEASE PAPERS



## SÜDDEKOR

Gottlieb-Daimler-Str. 6  
89150 Laichingen, Germany  
Phone +49(0)7333-955-0  
Fax +49(0)7333-955-286  
www.sueddekor.com

All information within this fact sheet is based on our current findings and experience. This information does not provide a legally-binding guarantee of specific properties or suitability for concrete uses. Users of our products must autonomously assure themselves of the suitability of the products for their specific purposes.



## D.Release®

### The final Touch.

**D.Release®** RELEASE PAPERS, MANUFACTURED BY SÜDDEKOR, LEND SURFACES THEIR FINAL APPEARANCE AND FEEL. WITH SUPER MATT TO HIGH GLOSS DESIGNS AND FINE TO DISTINCTIVE STRUCTURES, **D.Release®** PROVIDES A FIRST-CLASS SURFACE FINISH.



EXPERIENCE THE EXCEPTIONAL EFFICIENCY OF OUR RELEASE PAPERS:

- ▶ Highly-flexible and highly-economic, for first-class surface finish as a result of
  - Flexible handling
  - Diverse selection of designs
  - Huge innovation and development potentials
  - Fast structure change from high gloss to matt, from fine to highly-structured
  - Low investment costs
  - Economy through multiple application

#### APPLICATIONS

D.Release® is used as release paper for creating the surface finish within the wood materials industry, particularly for CPL and HPL products. D.Release® is also used to structure other materials such as plastics or synthetic leather, for example.

#### DESIGN AND QUALITY

D.Release® comes in numerous structure- and gloss-providing variants, with various technologies available to create your desired result. You can contact our Sales department and Technology team to allow them to assist you in selecting the variant best suited to your application.

#### RANGE AND PACKAGING

D.Release® is supplied as a film-wrapped rolled product. The length and the width of the rolls can be tailored to your personal requirements.

#### STORAGE STABILITY

In proper packaging D.Release® may be stored approx. 1 year. As the material is moisture-sensitive, it must be wrapped in a film following use.

#### DISPOSAL

According to a survey report issued by TÜV-Südwest, D.Release® release papers – insofar as they have not been subjected to recycling – can be disposed of using a waste incineration plant in accordance with currently-valid legislation.

## D.Release® Impressive.

#### PRODUCT CHARACTERISTICS:

D.Release® is based on a coated, calendered paper. Here, the product is subdivided into D.Release® Structural, D.Release® Silicure and D.Release® Silicure Millennium.

The release coating comprises environmentally-friendly, solvent-free polymers, cross-linked with electron beam technology (EBC) to create a hard, durable and stable surface. The result is a surface with excellent release properties for a multitude of materials. Therefore, D.Release® can be used both to provide gloss and structure.

As a result of the well-known Süddekor design competence and the technical lacquering know-how, D.Release® permits the optimum correlation between print design and structure, hence creating a completely new quality in the interaction between décor structure and surface. And all this from a single source.

### The Süddekor assortment of release papers.

#### D.Release® Structural: FLEXIBLE AND FAST

With D.Release® Structural, you remain fast and flexible. This embossed structure release paper is available in many individually-adjustable gloss levels and is suitable for multiple application in laminated panel production using CPL systems. Here, the various gloss levels are achieved by means of a combination of special lacquer formulations and the gradation of the embossing roller. The lacquered papers have a surface weight of approx. 180g/m².

#### D.Release® Silicure: SHINY

Using various lacquer formulations, D.Release® Silicure achieves different gloss levels in the end product. This flat release paper has an EBC-lacquered release coating, which enables multiple application on CPL systems and single application on HPL systems. The high thermal resistance and the consistent surface properties ensure that D.Release® Silicure provides reliable, flexible gloss levels.

#### D.Release® Silicure Millennium: THE NEW GENERATION OF RELEASE PAPER

In the case of D.Release® Silicure Millennium, the structure of the release papers is determined by means of lacquer application. Once again, the hardening of the easily-released surface is carried out using environmentally-friendly EBC technology. With its extremely stable structures, D.Release® Silicure Millennium enables profound finishes that create a realistic and natural image. D.Release® Silicure Millennium is suitable for multiple application of CPL, HPL and directly coated laminates.