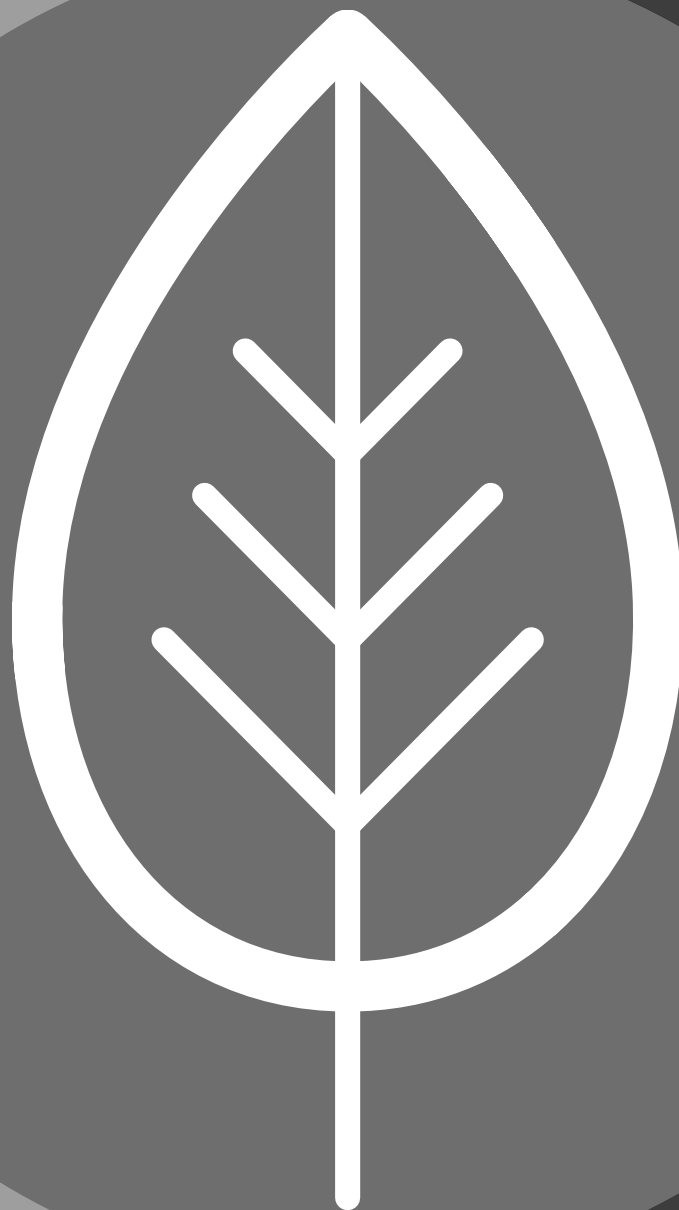




Positive list. February 2017.  
**Saphira Eco.**



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# 1. Saphira Eco consumables

## **For enhanced environmental protection**

Saphira® Eco is an extensive product line of eco-friendly consumables for the entire printing process. All products bearing the Saphira Eco label are carefully selected based on green criteria and meet or even exceed current environmental requirements. It goes without saying that these products also ensure stable high-quality production in keeping with the exacting Heidelberg® standard.

Saphira Eco consumables enable print shops to comply with all the requirements of the major environmental certificates (such as Nordic Swan, the EU Ecolabel, and the New Zealand Ecolabel).

## **The right product for every application**

Saphira Eco consumables are available for pre-press, press, and postpress in the usual approved quality, from a single source, and at a fair price. What's more, Heidelberg is continuously expanding its product portfolio of eco-friendly materials.

Saphira Eco products are not necessarily suitable for migration-free printing of food packaging. Specific regulations and directives apply to such packaging.

## **An environmental commitment**

Saphira Eco products are made from renewable raw materials and/or can be recycled. Materials defined as CMR\*, PBT\*, or vPvB\* under the REACH regulation are not used as raw materials in Saphira Eco products. With the Saphira Eco label, print shops can be sure of lower emissions than with most comparable products. All manufacturers included in the production chain are certified to ISO 9001/14001.

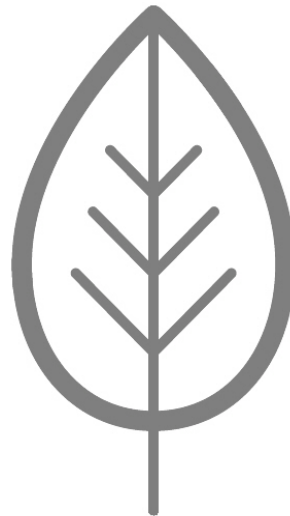
## **Major benefits**

Saphira Eco consumables play a key role in meeting the requirements of the most popular environmental certificates. In addition to its environmental benefits – such as reducing emissions of volatile organic compounds (VOCs), ammonia, and fine dust – Saphira Eco also uses fewer chemicals, generates less waste water, and results in lower energy consumption.

## **Available worldwide**

Saphira Eco consumables are very easy to obtain via one of the 250 Heidelberg sales offices around the world. In many countries, orders can even be placed 24/7 through the Heidelberg eShop at [shop.heidelberg.com](http://shop.heidelberg.com).

Saphira experts from Heidelberg are always happy to answer any questions you may have. Further information is also available at: [www.heidelberg.com/saphira-eco](http://www.heidelberg.com/saphira-eco).



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\* Please see glossary in the Catalog of Criteria for Saphira Eco consumables.

## 2. Positive list publisher

The positive list for Saphira Eco consumables is published by Heidelberger Druckmaschinen AG. It is drawn up and updated by a team of experts tasked with analyzing, evaluating, and approving consumables and adding them to the positive list. This work is supported by experts from the entire Heidelberg organization and our main suppliers, with the process being based on the catalog of criteria for Saphira Eco consumables.



### 3. Positive list for Saphira Eco consumables

The positive list of Heidelberger Druckmaschinen AG for Saphira Eco consumables offers an up-to-date overview of approved Saphira Eco consumables.

The positive list should be viewed as an open list. This means that new or previously unlisted consumables can be included as Saphira Eco products in the positive list following successful analysis and in line with an updating process. A Saphira Eco consumable can also be removed from the positive list as a result of new findings or non-fulfillment of Saphira Eco criteria. If this does not involve detection of an immediate risk, this change will be assigned appropriate transitional periods.

Saphira Eco consumables...

- ...meet the strict criteria of Heidelberger Druckmaschinen AG for Saphira Eco consumables.
- ...are only approved by Heidelberger Druckmaschinen AG.
- ...are only available via the established Heidelberg sales organizations.

#### 3.1 Instruction for use

The positive list for Saphira Eco consumables is only available as a PDF document and can be downloaded at [www.heidelberg.com/saphira-eco](http://www.heidelberg.com/saphira-eco).

#### 3.1.1 Notes regarding the tables

<b>Terms and definitions</b>	
Date of change/ new inclusion:	The date specified defines the point in time when the product was approved as a Saphira Eco consumable and the associated inclusion in the positive list.
Product designation:	The product designation refers to the relevant Saphira Eco consumable.
Region:	The region provides information on the availability of the specified Saphira Eco consumable. EU stands for Europe, AP for Asia/Pacific and AM for Americas.
Note:	The note gives additional information on the relevant consumable.

Saphira Eco consumables on the positive list are divided into product groups.

## 3.2 List of Saphira Eco consumables

### 3.2.1 CtP offset plates

Date of change/ new inclusion	Product designation	Region			Note
		EU	AM	AP	
05/2011	Saphira Thermal Plate Chemfree 101	X	X	X	Chemical-free plate
05/2013	Saphira Thermal Plate FND 300	X	X	X	Process free plate
02/2016	Saphira Thermal Plate ND 100	X	X	X	Process free plate
02/2016	Saphira Thermal Plate NA 200	X	X	X	Reduced-chemical plate

### 3.2.2 Inks

#### 3.2.2.1 Conventional inks

Date of change/ new inclusion	Product designation	Region			Note
		EU	AM	AP	
05/2011	Saphira Ink Bio Speed	X	X	X	Process ink
05/2011	Saphira Ink Excel	X	X	X	Process ink
05/2011	Saphira Ink Universal Bio 100	X	X	X	Process ink
10/2011	Saphira Ink Excel 200	X	X		Process ink
10/2011	Saphira Ink Expert 200	X	X		Process ink
10/2011	Saphira Ink Extreme 200	X	X		Process ink
10/2011	Saphira Intensa Series (1000831-1000834)		X		Process ink
10/2011	Saphira Jade Series (1000033-1000036)		X		Process ink
10/2011	Saphira Low Odor Series (1000711-1000712)		X		Process ink
10/2011	Saphira Pantone Basic Inks (1000000-1000014) (1000015-1000020)		X		Pantone basic color inks

3.2.2.1 Conventional inks (continued)

Date of change/ new inclusion	Product designation	Region			Note
		EU	AM	AP	
10/2011	Saphira Ink Excel 400	X	X	X	Process ink
10/2011	Saphira Ink Extreme	X	X	X	Process ink
12/2011	Saphira Bio HT Dense Black		X		Process ink
12/2011	Saphira Bio LT Dense Black		X		Process ink
12/2011	Saphira Bio MT Dense Black		X		Process ink
12/2011	Saphira Bio XLT Dense Black		X		Process ink
01/2012	Saphira Bio HT Process		X		Process ink
01/2012	Saphira Bio LT Process		X		Process ink
01/2012	Saphira Bio MT Process		X		Process ink
01/2012	Saphira Bio XLT Process		X		Process ink
02/2012	Saphira Ink Low Tack	X	X	X	Process ink
01/2013	Saphira Hard Dry (1000210-1000213)		X		Process ink
10/2013	Saphira Ink Anicolor H100	X	X	X	Process ink
10/2013	Saphira Ink Anicolor S100	X	X	X	Process ink
10/2013	Saphira Ink Ultimate 100	X	X	X	Process ink
08/2014	Saphira Ink Classic Speed 400	X	X	X	Process ink
08/2014	Saphira Ink Universal Star 400	X	X	X	Process ink
08/2014	Saphira Ink Classic Speed 410	X	X	X	Process ink
08/2014	Saphira Ink Resistant Black 401	X	X	X	Process ink
01/2015	Saphira Ink Perfect Board	X	X	X	Process Ink
11/2015	Saphira Ink Excel 110	X	X	X	Process ink
06/2016	Saphira Ink Perfect Board 110	X	X	X	Process Ink

### 3.2.3 Coatings

#### 3.2.3.1 Oil-based varnishes

Date of change/ new inclusion	Product designation	Region			Note
		EU	AM	AP	
10/2013	Saphira Varnish Bio Matt 100	X	X	X	
10/2013	Saphira Varnish Bio Gloss 100	X	X	X	

#### 3.2.3.2 Water-based coatings

Date of change/ new inclusion	Product designation	Region			Note
		EU	AM	AP	
01/2011	Saphira Coating Gloss W 7700	X	X	X	
01/2011	Saphira Coating Semi Matt W 7710	X	X	X	
01/2011	Saphira Coating Matt W 7730	X	X	X	
01/2011	Saphira Coating Extra Matt W 7740	X	X	X	
01/2011	Saphira Coating Matt W 7750	X	X	X	
01/2011	Saphira Coating Extra Matt W 7760	X	X	X	
01/2011	Saphira Coating Primer Gloss W 7820	X	X	X	
01/2011	Saphira Coating Primer Matt W 8685	X	X	X	
10/2011	Saphira Coating Gloss W 3950	X	X	X	
10/2011	Saphira Coating Semi Matt W 7517	X	X	X	
10/2011	Saphira Coating Neutral W 7720	X	X	X	
10/2011	Saphira Coating Semi Matt W 7745	X	X	X	
02/2012	Saphira Coating Effect HG 1S W 450	X	X	X	
02/2012	Saphira Coating Effect HG 2S W 460	X	X	X	
02/2012	Saphira Coating Gloss Protect W 7945	X	X	X	
02/2012	Saphira Coating HG 1 Side W 3380	X	X	X	



### 3.2.3.2 Water-based coatings (continued)

Date of change/ new inclusion	Product designation	Region			Note
		EU	AM	AP	
02/2012	Saphira Coating HG 2 Side W 7510	X	X	X	
02/2012	Saphira Coating HG 2 Side W 7515	X	X	X	
02/2012	Saphira Coating Soft Touch W 8510	X	X	X	
02/2012	Saphira Coating Blister Pack W 7800	X	X	X	
02/2012	Saphira Coating Gloss W 3960	X	X	X	

### 3.2.4 Fountain solution additives

Date of change/ new inclusion	Product designation	Region			Note
		EU	AM	AP	
05/2011	Saphira Fount 550 AR	X	X	X	
05/2011	Saphira Fount 550 AR Pure	X	X	X	

### 3.2.5 Washes

Date of change/ new inclusion	Product designation	Region			Note
		EU	AM	AP	
04/2012	Saphira Wash 522 NV	X	X	X	

### 3.2.6 Cleaners

Date of change/ new inclusion	Product designation	Region			Note
		EU	AM	AP	

### 3.2.7 Spray powders

Date of change/ new inclusion	Product designation	Region			Note
		EU	AM	AP	
05/2011	Saphira Powder Pro 100-20	X	X	X	
05/2011	Saphira Powder Pro 100-35	X	X	X	

### 3.2.8 Glues

#### 3.2.8.1 Dispersion glues

Date of change/ new inclusion	Product designation	Region			Note
		EU	AM	AP	
01/2011	Saphira Dispersion Glue FG 1100	X	X	X	For folding machines and mailing systems
01/2011	Saphira Dispersion Glue FG 2210	X	X	X	For folding machines and mailing systems
08/2013	Saphira Binding Glue PUR 330 NE	X	X	X	

### 3.2.9 Blankets

Date of change/ new inclusion	Product designation	Region			Note
		EU	AM	AP	
10/2013	Saphira Blanket Pro 200	X	X	X	
10/2016	Saphira Blanket Pro 300	X	X	X	

## 4. Other information

### 4.1 Safety information

Saphira Eco consumables included in the positive list meet the Saphira Eco criteria of Heidelberger Druckmaschinen AG. Consumables must be handled / used in accordance with the instructions of the manufacturer/organization placing them on the market and the safety data sheet.

### 4.2 Inclusion in the positive list

Only consumables that comply with the catalog of Saphira Eco criteria of Heidelberger Druckmaschinen AG are added to the positive list. For further information, please contact Heidelberger Druckmaschinen AG.

#### 4.2.1 Process description

##### 1. Decentralized preselection of new Eco consumables

Decentralized preselection of potential Saphira Eco products takes place at the various Heidelberg sales offices. Materials must be selected in line with the catalog of criteria for Saphira Eco consumables and using the general and product-specific Eco criteria.

##### 2. Obtaining manufacturer's declaration of conformity

As well as submitting to internal checking by Heidelberg, the manufacturer of the relevant product must provide a declaration of conformity in writing.

##### 3. Making product available

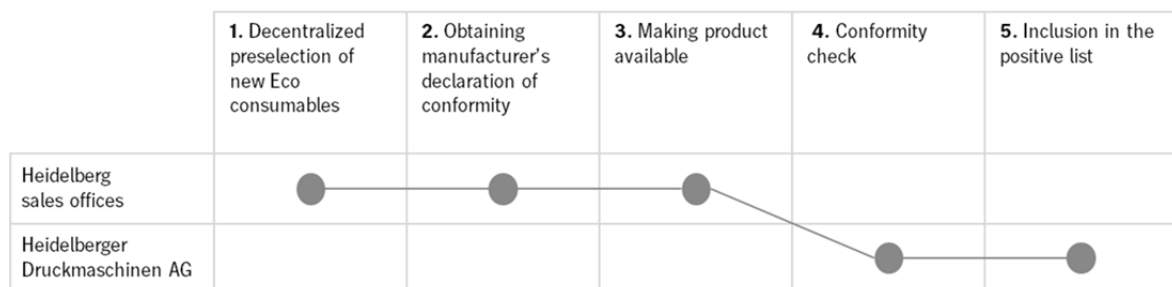
If the product passes this first check successfully, the next step is for the Heidelberg sales office to ensure the availability of materials. This also includes applying/adapting the label, technical data sheet, and safety data sheet.

##### 4. Conformity check by Heidelberg Druckmaschinen AG

The information required must be sent to Product Management Consumables at Heidelberger Druckmaschinen AG. It is used for a final conformity check of the documentation by Heidelberger Druckmaschinen AG.

##### 5. Inclusion in the positive list

On successful completion of the final conformity check, Heidelberg approves the product and it is added to the positive list for Saphira Eco consumables.



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