

Storage of Printing Inks and Varnishes and Ink Series Storage Stability

Important Information

1 Storage of Printing Inks and Varnishes

Storage conditions are an essential factor in ensuring that the processing properties and functionality of your printing inks and varnishes remain stable. This document shows you what needs to be considered when storing our printing inks and varnishes to ensure the standard shelf lives indicated on the following page.

Ideal Storage Conditions

The ideal storage conditions for our printing inks and varnishes are a dry, clean and well-ventilated environment at a constant room temperature:

- › Dry, clean and well-ventilated environment
- › Room temperature between 15 and 25 degrees Celsius (59 to 77 degrees Fahrenheit)
- › Constant temperature with little fluctuation
- › 20 to 70 percent humidity
- › No direct sunlight

Provided that the mean kinetic temperature (MKT) does not exceed 25 degrees Celsius or 77 degrees Fahrenheit, short-term peaks (max. 24 hours) of up to 40 degrees Celsius or 104 degrees Fahrenheit are permissible – for example, during transport.

Before Use

The printing inks and varnishes need to be stirred well before each use. Please also observe all processing instructions in the Technical Data Sheet of the respective product.

After Opening the Container

Opened containers must be closed thoroughly after use. Do not leave any foreign objects (e.g. stirring rod or squeegee) in the container.

Shelf life

Information regarding the shelf life of our products can be found in the corresponding Technical Data Sheet or on the product label. The information on shelf life is based on the assumption that the above-mentioned storage conditions are ensured.

Safety Instructions

Safety instructions and specific information on proper storage can be found in chapters 7 and 9 of the Safety Data Sheet (SDS).

2 Ink series storage stability

Standard shelf life and deviations for specialties

The expiry date on the product labels of our printing inks and varnishes indicates how long our products will remain usable under correct storage conditions (see page 1).

This document also gives you a general overview of the storage stability of our most important ink series. We also indicate specialties within color series for which a shorter minimum shelf life applies.

Standard shelf life

You can generally assume that the functionality of our solvent-based printing inks and varnishes is guaranteed for at least 36 months, or three years from the date of manufacture.

In contrast, the storage stability of water-based and UV-curing printing inks and varnishes is at least 12 months, or one year.

Technology	Standard shelf life
Solvent	3 years/36 months
Water	1 year/12 months
UV	1 year/12 months

Standard shelf life by series

The following table shows the standard shelf life of a selection of our ink series:

36 months		24 months	12 months		6 months
Series 310	Series 650	Series 275	Series 330	Series 590	Series 242
Series 311	Series 660	Series 278	Series 384	Series 592	
Series 320	Series 665		Series 392	Series 712	
Series 347	Series 711		Series 420	Series 747	
Series 386	Series 750		Series 480		
Series 387	Series 751		Series 482		
Series 388	Series 752		Series 540		
Series 630	Series 784		Series 552		
Series 632	Series 786		Series 560		
Series 640	Series 792		Series 567		

Specialties with diverging storage stability

Please note that some specialties may have a different standard shelf life. Such specialties include, for example, printing inks that contain metallic pigments.

In any case, we recommend that you carefully follow the storage instructions for printing inks and coatings on page 1 and that you regularly check the expiry dates of your stored goods.