

Certificate of Conformity Process Standard Offset Printing / ISO 12647-9

Target Companies	Pre-press companies, printing companies
Lead Time	1 week for the creation of individualised test forms
Certification Date	Date set according to agreement
Specification	See the specifications on page 2
Material	Printing plates, metal sheets and printing ink depending on the printing condition(s) to be certified
Basis of Certification	Process Standard Offset Printing ISO 12647-9:2021 (offset printing) ISO 12647-7:2016 (contract proof) ISO 15930-7 (PDF/X-4)
Certification Report	Detailed documentation of the examination after 10 working days
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Certificate of Conformity

Process Standard Offset Printing / ISO 12647-9

Specification Description

The certificate of conformity applies to:

- The handling of delivered print files
- The processing and output of the print files for contract proofs and production printing
- The colour accuracy of contract proofs
- The colour reproduction in the production printing process

Prerequisites for the printing company:

- Up-to-date hardware and software in the pre-press department
- Measurement technology is available and ready for use (spectrophotometer, densitometer)
- A working and established pre-press workflow (print file pre-flight, processing, output, ...)
- Calibrated and profiled input and output devices (scanner, monitor, proofing device, ...)
- Stable printing conditions (printing press setup, blankets, dampening solution additive mixture, printing inks according to ISO 2846-1, printing climate conditions, ...)

SID will deliver to the printing company:

- A checklist for documenting the equipment in the printing company and the printing conditions to be certified
- A test form consisting of test elements, colour patches and images with built-in errors
- Instructions of the certification process for the pre-press and printing departments

The printing company delivers the following self-created materials for certification to SID:

- Filled-out checklist for the documentation of the printing condition details
- Corrected print files as PDF/X-4 documents
- Contract proof(s) with appropriate media wedge for the chosen printing condition(s)
- Printed metal sheets from one or more printing presses on one or more printing substrates (depending on agreement)

SID examines the following parameters:

- Correctness of the PDF/X-4 print file processing (conformity to ISO 15930-7)
- Lab colour values of the media wedge on the contract proof (conformity ISO 12647-7:2016)
- Printed process correction curve (tone value increase) and Lab colour values of the primary and secondary full tones in the printed metal sheets (conformity ISO 12647-9:2021)

After a successful certification, the printing company receives:

- A Certificate of Conformity from SID
- Digital files of the Certificate of Conformity seal to be used for marketing purposes
- An examination report with a measurement protocol



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The company attains the right to use the certificate of conformity for marketing purposes and as forensic evidence in case of legal disputes by committing to maintain to the technological requirements. The conformity to Process Standard Offset Printing / ISO 12647-9 is only valid for two years and needs to be recertified after this time period has expired.

Depending on the results of the current situation analysis and the preliminary discussions, additional consulting services can be offered dependent on the necessary expenses based on SID hourly rates.

The examinations undertaken by SID are carried out by the test laboratory for printing quality and finishing at SID. This test laboratory is a DAkkS accredited test laboratory according to DIN EN ISO/IEC 17025.



The accreditation is valid for the testing methods specified in the certificate

