



Printing Industry

The specific requirements for the printing industry vary according to the respective production technique practiced. The ASTRON system allows to realize an attractive building under respect of the different specific conditions.



Spanish company LamiGraf ordered this production building for its German branch office in Bönen (D) via local ASTRON Builder ACIEROID. The building is notable for its impressive 60m free span and was specially designed for the installation of paper coating machines. Annexes to the main structure accommodate the offices and the social rooms. Total floorspace is 7,500 m².

The building was designed accordingly to the specific requirements of the printing industry. A huge ventilation system maintains the special climatic conditions, 55% of humidity and a constant room temperature of 20°C. To avoid condensation in the ceiling area, thermal bridges have to be avoided. Special ISOBLOCKS are fixed in addition to insulation.

Roof and wall cladding is double skin with on the inside perforated acoustic panels and completed by ASTROTHERM insulation. This guarantees an important noise reduction and sound absorption and keeps the noise level between 80-85 decibel.

Another specific requirement is a vibration free floor. This is important to avoid „doubled“ or incorrect printing.

Those printing industries producing packing material for food stuff are advised to care for smooth cladding surfaces, which can easily be cleaned.



Technical Details:

Construction time:	June – September 1999
Building type:	AZM 1
Dimensions:	60 m x 90 m
Floorspace:	7,500 m ²
Height to the gutter:	13.20 m
Roof slope:	12.5 %
Roof system:	DSR (double skin): PR-/Acoustic panel
Wall system:	Double skin: PR-/Acoustic panel
Technical installations:	Ventilation system for printing industry

General information:

Builder:	Acieroid, Wittfeld GmbH
Customer:	LamiGraf

Particularities:

- excellent acoustical absorption and thermal insulation by ASTROTHERM
- free span of 60 m
- maintenance of special climatic conditions by a special ventilation system
- vibration-free floor

Advantages:

- One supplier
- Quick implementation of the project
- Freedom of internal layouts
- Good price/quality ratio
- Superior quality
- ISO 9001-Certification

A glance on more printers:



In this 20m high building, erected by H. Hansen & Co. GmbH in Hamburg (D), is produced plastic wrapping material. The 6,000 m² large complex comprises a production hall and a stockage building.



Several extensions have already been added to the production hall of Imprimerie François Faber in Mersch (L) built by Scholtes & Brauch.

Total surface : ± 3,000 m²
Free span : < 34 m



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