

Certification in compliance to the German BAnz AT regulation 11/26/2018 B2 and IOS-MAT 0003 and IOS-MAT 0181 standards.

CONTEXT

From 1 of January 2020 new limits concerning the emission of formaldehyde from raw and coated wood based panels will come into effect on the German market. This news was published in the German Official Gazette (BAnz AT 26/11/2018 B2) and it should be noted that or the evaluation of formaldehyde emissions a new reference method is introduced: **EN 16516 entitled “Construction products: assessment of release of dangerous substances - Determination of emissions into indoor air”**.

TARGET

COSMOB, through the CQP Formaldehyde E ½ service, offers to companies a qualified technical support for the adaptation of its products to the requirements of the German regulation **BAnz AT 26/11/2018 B2** and to the **IKEA IOS-MAT 0003** and **IOS-MAT 0181** standards. COSMOB, thanks to its advanced control system composed of 14 integrated test chambers of different dimensions, is able to test both raw panels and finished products using both methods (accredited by Accredia) EN 16516 and EN 717-1.

Furthermore COSMOB is IKEA approved laboratory for analysis of formaldehyde emission according to the standard **IKEA IOS MAT 0181** “Formaldehyde requirements for wood based materials included in the German prohibition of the order on chemical products”. This standard applies in addition to the **IKEA IOS MAT 0003** standard for the analysis of formaldehyde levels, to guarantee quality with the most restrictive requirements for wood-based materials and products.

ACTIVITIES

To ensure an effective service, Cosmob has developed an own operational disciplinary **“COSMOB Qualitas Prae-**



mium - Formaldehyde E ½” which is a qualified and efficient methodological verification tool, able to favor the achievement of the set results.

To the achievement of the results defined by the disciplinary **“Cosmob Qualitas Praemium - Formaldehyde E ½”**, a Trademark and a certification will be issued, which will be an effective tool for communicating the results achieved in the elaboration of the objective evidence requested.



THE 5 CERTIFICATION PHASES

1

APPLICATION INSTRUCTIONS

and start of the certification process.



2

AUDIT IN THE COMPANY

Initial inspection visit to the company, analysis and evaluation of the production line and of the internal laboratory, in which COSMOB will carry out:

Organizational and document verification

- Manual verification of quality and its dedicated procedures;
- Audit of laboratory and company personnel;
- Verification of appropriate compilation and storage of the documents required by the regulation.



3

COSMOB LABORATORY TESTS

Performing of comparative tests (according to the secondary method ISO 12460-3);

- Execution of correlation tests according to the EN 717-1 method (or alternatively EN 16516);
- Definition of quality control criteria: QCL (Quality Control Limit);
- Evaluation of production control tests;
- Report on the initial visit.



Product sampling

- Sampling of panels for tests by type of product and relative thickness ranges;

Laboratory and equipment verification

- Control of laboratory equipment for the method of production control;
- Verification of correct execution by the laboratory personnel of the production control tests (according to the secondary method ISO 12460-3 or ISO 12460-5).

N.B. If the company does not have an internal laboratory the tests can be performed initially and in agreement with the TPC at an external laboratory.



4

GRANT OF THE CQP CERTIFICATION MARK

- CQP Formaldehide E½ certificate emission in compliance to the BAnz AT 11.26.2018 B2 regulation;
- IOS-MAT 0003 and IOS-MAT 0181 certificate emission.



5

SIX-MONTHLY MONITORING

To maintain the certification six-monthly audits will be carried out in the company for analysis and evaluation of the production line and the internal laboratory, which provides:

- **Sampling of panels to be tested;**
- **Comparative and correlation tests;**
- **Verification of QCL quality control criteria (Quality Control Limit);**
- **Evaluation of production control tests;**
- **Renewal of the concession to use the CQP mark and of the CQP certificate - Formaldehide ½ in accordance with BAnz AT 26.11.2018 B2. "IOS-MAT 0003" and "IOS-MAT 0181".**

