

By Decree of the Italian Ministry of the Environment and the Protection of the Land and Sea of 11 October 2017 (published in OJ No 259 of 6 November 2017) within the National Action Plan on GPP, the Minimum Environmental Criteria (CAM) has been approved for the assignment of design services and works for the new construction, renovation and maintenance of public buildings.



Under the premise of the Decree, consistent with the principles of GPP, it is reiterated that the use of these CAMs by contracting stations allows to reduce the environmental impacts of **new construction, renovation and maintenance of buildings**, considered in a cycle view of life.

Of course, these criteria do not replace in their entirety the criteria normally present in a technical specification but they integrate with them, as they relate to the environmental requirements that the building must have and add to the prescriptions and benefits already in use or envisaged by the standard.

Even for these new CAMs, the world of **wood and furniture** will have to do its part because with the paragraph 2.3.5.5 the legislator considers again the material's emissions.

For materials: **paints and varnishes, coating textiles, laminates for flooring and flexible coatings, wood flooring and coatings, adhesives and sealants and interior covering panels**, the legislator has set limits on emissions for specific substances. The emission determination shall be carried out in accordance with **CEN / TS 16516** or **UNI EN 16000-9** or equivalent standards and the load factors indicated shall be different depending on the material being tested.

Emission limit ($\mu\text{g}/\text{m}^3$) at 28 days	
Benzene Trichloroethylene -2-ethylsil- phthalate (DEHP) Dibutylphthalate (DBP)	1 (for each substance)
Total VOC (22)	1500
Formaldehyde	<60
Acetaldehyde	<300
Toluen	<450
Tetrachloroethylene	<350
Xylene	<300
1,2,4-Trimethylbenzene	<1500
1,4-dichlorobenzene	<90
Ethylbenzene	<1000
2-Butoxyethanol	<1500
Styrene	<350

To assess the compliance with the DBP and DEHP emission, alternative methods of sampling and analysis are allowed (materials with DBP and DEHP contents of less than 1 mg/kg, the instrumental detection limit, are considered to be in compliance with the emission requirement at 28 The contents of DBP and DEHP on liquid or paste products must be determined after drying or drying at 20 ± 10 ° C, as per product data sheet.

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