

Roadmap for Healthy Buildings

- Harmonisation of Health Criteria for Construction Products

A European harmonised declaration scheme for VOC emissions is needed

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on behalf of EFCC, FEICA and CEPE



A harmonised declaration scheme for VOC emissions is needed




- Manufacturers of Construction Chemicals, Adhesives, Sealants and Architectural Coatings are acting on a European and international market
- European harmonisation and the removal of barriers to trade is an essential prerequisite for a functioning internal market.
- For this purpose the harmonisation of test methods and declaration schemes regarding health-related properties of construction products and interior decorative products is needed.
- The communication of health-related product characteristics must be easily understandable for the users of the products.
- Declaration of single substances and their emission rates will not be understood by the professional user.

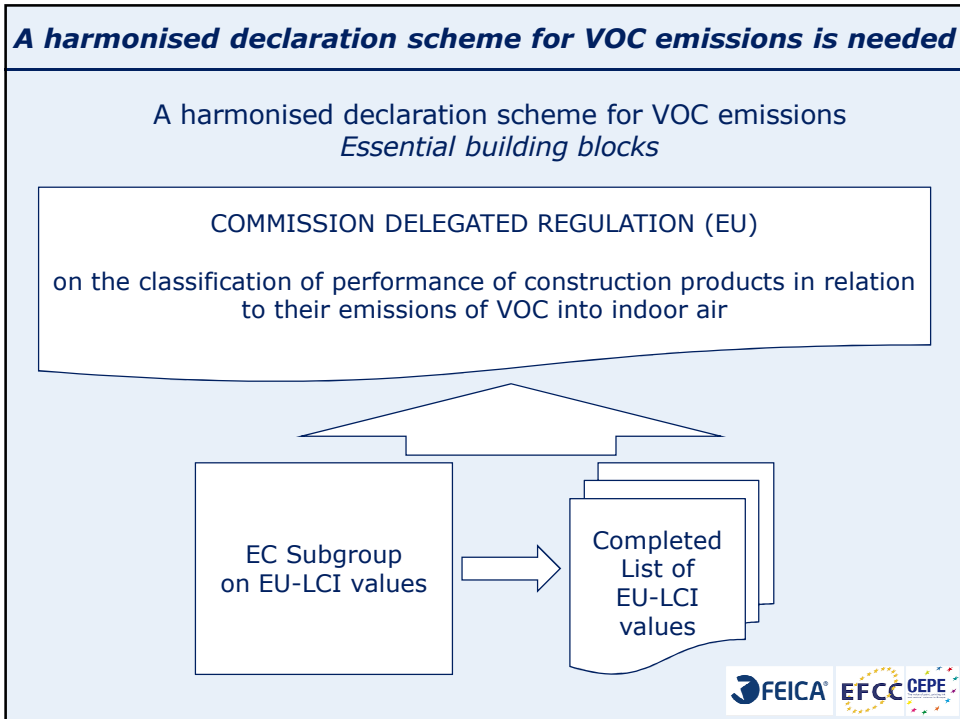
→ An easily understandable system of VOC-classes is the one and only solution for a reasonable communication to professional end-user of construction products and interior decorative products.



A harmonised declaration scheme for VOC emissions is needed

CE marking without BWR3		CE marking with BWR3 without classes		CE marking with BWR3 with classes		
CE		CE		CE		
Construction Products Manufacturer XYZ 12345 City-Downtown 14 DoP Reference number Unique identification code of product type Floor screeds for internal use		Construction Products Manufacturer XYZ 12345 City-Downtown 14 DoP Reference number Unique identification code of product type Floor screeds for internal use		Construction Products Manufacturer XYZ 12345 City-Downtown 14 DoP Reference number Unique identification code of product type Floor screeds for internal use		
Reaction to fire	E _{fl}	Reaction to fire	E _{fl}	Reaction to fire	E _{fl}	
Release of corrosive substances	SR	Release of corrosive substances	SR	Release of corrosive substances	SR	
Wear resistance	≤ AR 1	Wear resistance	≤ AR 1	Wear resistance	≤ AR 1	
Bond strength	≥ B 1.5	Bond strength	≥ B 1.5	Bond strength	≥ B 1.5	
Impact resistance	≥ IR 4	Impact resistance	≥ IR 4	Impact resistance	≥ IR 4	
		Release of dangerous substances into indoor air			TVOC	A1
					Formaldehyde	F3
					CMR	C1



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- As much as needed / as easy as possible:
 - To ensure the required acceptance of a European system of VOC classes the essential elements of existing national requirements should be considered.
- Limitation to the harmonisation of existing national requirements
 - A European system of VOC classes should not contain parameters and performance classes that are not part of existing national requirements
- The declaration system should refer to the test methods and definitions of existing European standards (e.g. EN 16516)
- After the implementation of a harmonised system of VOC classes all European and national regulations and assessment schemes should refer in future exclusively to the European system of VOC classes
- CEPE, EFCC and FEICA are ready to support the development and the implementation of a European harmonised system of VOC classes

