

## Movac overview of VOC requirements for environmental standards commonly seen in the UK specifiers marketplace

Name of Standard:		BREEAM UK Refurbishment and Fit-out 2014		BREEAM UK New Construction 2018	EU ECOLABEL	Ska rating
Section relating to coating requirements:		EU Directive 2004/42/CE ('Paints Directive') Phase II (g/l(*)) (from 1.1.2010) Maximum VOC content limit values for paints and varnishes		Table 5.13 Maximum TVOC content for paints and coatings ISO 11890-2(70) or ISO 17895(71) or Calculation based on the ingredients and raw materials Free TVOC content of ready-to-use product (g/l)	COMMISSION DECISION of 28 May 2014 establishing the ecological criteria for the award of the <b>EU Ecolabel</b> for indoor and outdoor paints and varnishes	Good practice measures for offices Fit-out Benchmark & Assessment Tool Version: <b>1.1 2011</b> Issue: <b>Materials</b> - Sections relating to coatings
Product description (with subcategory denotation according to Directive 2004/42/EC)		Water Based	Solvent Based	All Coatings (Solvent & Water Based)	VOC limits (g/l including water)	<b>Section: Paints ID: M14 Rank: 56</b>
A	Interior matt walls and ceilings (Gloss <25@60°)	30	30	10	10	All paints meet at least one of the following criteria: • have been awarded the EU Ecolabel; • are manufactured with at least 90% recycled content; or • are supplied with an environmental product declaration, written in accordance with ISO 14025 standards.
B	Interior glossy walls and ceilings (Gloss >25@60°)	100	100	40	40	
C	Exterior walls of mineral substrate	40	430	Not specified	25	
D	Interior/exterior trim and cladding paints for wood and metal	130	300	90	80	
E	Interior/exterior trim varnishes and woodstains, including opaque woodstains	130	400	65	65	
F	Interior and exterior minimal build woodstains	130	700	50	50	<b>Section: Polishes and varnishes ID: M15 Rank: 90</b>
G	Primers	30	350	15	15	All polishes and varnishes meet at least one of the following criteria:
H	Binding primers	30	750	15	15	• are water based;
I	One-pack performance coatings	140	500	100	80	• have been awarded the EU Ecolabel; or
J	Two-pack reactive performance coatings for specific end use such as floors	140	500	80	80	• are supplied with an environmental product declaration, written in accordance with ISO 14025 standards.
K	Multi-coloured coatings	100	100	80	Not specified	
L	Decorative effect coatings	200	200	80	80	Note: Although a selection above does not affect the assessment outcome, the criteria are presented in order of perceived highest sustainable impact.

(\*) g/l ready to use