

House & Haven Vinyl Plank VOC Test

Product Name: 12 Series and 15 Series

Results:

Table 1. 24-h and 48-h chamber concentrations and emission factors.

Parameter	CAS Number	Chamber Concentration ($\mu\text{g}/\text{m}^3$)		Emission factor ($\mu\text{g}/\text{m}^2/\text{h}$)	
		24hr	48hr	24hr	48hr
TVOC	-	38	33	172	150
Formaldehyde	50-00-0	<10	<10	<12	<12

Table 2. 96-h chamber concentrations and emission factors of all target voes and most abundant -Only detected compounds have been listed.

Compound Name	CAS Number	Chamber concentration ($\mu\text{g}/\text{m}^3$)	Emission factor ($\mu\text{g}/\text{m}^2/\text{h}$)	Remarks
2-Ethyl-1-hexanol	104-76-7	5	23	
ButyldiQlycol	112-34-5	11	49	
2-Butanone	78-93-3	12	53	CRELs /TACs
Ethylacetate	141-78-6	5	22	
TVOC	-	32	145	
Formaldehyde	50-00-0	<10	<12	CRELs / C /TACs

Table 3. Estimated concentrations for the different scenarios and evaluation of the requirements.

Compound Name	CAS Number	Allowable Concentration ($\mu\text{g}/\text{m}^3$)	Standard classroom estimated concentration ($\mu\text{g}/\text{m}^3$)	Private office estimated concentration ($\mu\text{g}/\text{m}^3$)	Pass/Fail
2-Ethyl-1-hexanol	104-76-7	-	11	12	Pass
ButyldiQlycol	112-34-5	-	23	27	Pass
2-Butanone	78-93-3	-	25	28	Pass
Ethylacetate	141-78-6	-	10	12	Pass
TVOC	--	-	68	78	Pass
Formaldehyde	50-00-0	9	<6	<6	Pass