

# DIN EN 16105:2011-12 (E)

## Paints and varnishes - Laboratory method for determination of release of substances from coatings in intermittent contact with water

---

<b>Contents</b>		<b>Page</b>
Foreword .....		3
Introduction .....		4
1	Scope .....	5
2	Normative references .....	5
3	Terms and definitions .....	5
4	Reagents .....	7
4.1	Standard leachant .....	7
5	Apparatus .....	7
5.1	General .....	7
5.2	Equipment .....	7
5.2.1	Immersion container .....	7
5.2.2	Analytical balance .....	7
5.2.3	Device for measuring .....	8
5.2.4	Measuring cylinders for volume determination .....	8
5.2.5	pH meter .....	8
5.2.6	Glass or plastic bottles .....	8
6	Test procedure .....	8
6.1	General considerations .....	8
6.2	Sample preparation .....	8
6.2.1	Substrate .....	8
6.2.2	Sampling .....	8
6.2.3	Number and size of test specimens .....	8
6.2.4	Preparation of the test specimens .....	9
6.2.5	Conditioning .....	9
6.3	Immersion method .....	9
6.3.1	Test procedure .....	9
6.3.2	Analysis .....	10
7	Results .....	10
7.1	Results in concentrations .....	10
7.2	Results in terms of specific emissions .....	10
8	Test report .....	11
Annex A (informative) Forms for recording .....		12
Annex B (informative) Examples of data: Leaching of biocides .....		14
B.1	General .....	14
B.2	Sample preparation .....	14
B.3	Test procedure .....	14
B.4	Analytical Methods .....	14
B.5	Test results .....	14
B.6	Assessment of the uncertainty .....	15
Bibliography .....		16