

Summary of test report BBHP-05/2006

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Efficacy test against algae based on the 07 VdL directive – RIVATONE PLUS

Applicant: I.V.A.S. Industria Vernici S.p.A.
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47030 S. Mauro Pascoli
Italy

Materials tested: Rivatone Plus
Rivatone (comparative variant without additives)

Delivery of the materials to be tested

The materials to be tested were delivered on 08.11.2005.

Description of the samples

Five samples were to be analysed for each product (Rivatone Plus and Rivatone).

Preparation of the samples

The product was applied to suitable support materials, based on the manufacturer's indications, in order to obtain appropriate test samples. The samples were subsequently sterilised.

Testing procedure

The test performed represents an ulterior development of VDL-RL 07 and is currently being re-elaborated, with the collaboration of the Fraunhofer Institut für Bauphysik, as a CEN standard. During the testing, the product with the algacide additive was tested by comparing it with a variant without additives. In total, five samples were tested simultaneously for each product. The testing was carried out over a period of five weeks.

Test results

After the testing period had expired, the test samples were evaluated according to table 1. Table 2 provides the evaluations of the analysed test samples. The test samples were always analysed one week apart.

Table 1: Evaluation of algae growth intensity during testing.

criteria	significance
0	No algae growth / dead algae
1	Algae growth significantly less than the virulence check
2	Algae growth comparable to the virulence check

Table 2: Interpretation of the growth intensity according to table 1.

Test samples		Period of time until inspection (d)		
		14	21	28
Rivatone Plus on BBM with an algae suspension	Test group 1	1	1	0
	Test group 2	1	1	0
	Test group 3	1	1	0
	Test group 4	1	1	0
	Test group 5	1	1	0
Rivatone (comparative variant without additives) on BBM with an algae suspension	Test group 1	1	1	1
	Test group 2	2	2	2
	Test group 3	1	1	1
	Test group 4	1	1	1
	Test group 5	1	1	2
Virulence check: BBM alone with an algae suspension	Test group 1	2	2	2
	Test group 2	2	2	2
	Test group 3	2	2	2

The test samples which had been treated with Rivatone Plus showed no algae growth. The algae density decreased significantly during the observation period and the algae which was introduced died. The comparative variant without additives, on the other hand, showed extended algae growth.

Rivatone Plus was demonstrated to be clearly effective against algae.

The results refer exclusively to the analysed test samples.

This test report summary is comprised of 2 pages of text with two tables.

Stamp:

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Holzkirchen, February 16, 2006

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