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Die Akkreditierung gilt für die in der Urkundenanlage D-PL-11217-01-01 aufgeführten Prüfverfahren.

Test Report

project: **P 12437**

subject: artificial weathering in UV-chamber of mineral thick coating

AQUAFIN-RB400

sample: mineral thick coating

receipt of the sample: 28.02.2020

test period: Februar 2020 – Juni 2020

This test report comprises: 7 pages, of which 3 pages are attachment

Flörsheim-Wicker, 03.06.2020



i. V. Dipl.-Ing. (FH) N. Machill
head of institute



i. A. B. Sc. (FH) F. Bartl
person in charge

The test results exclusively refer to the tested materials. The publication of the test report in extracts and references to tests for advertising purposes require our written agreement in each single case.

^{a)} Information of the client. ^{k)} modification



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1 SUBJECT

Polymer Institut was charged by Schomburg GmbH & Co. KG, Detmold, Germany, to perform the artificial weathering on mineral thick coating

AQUAFIN-RB400.

2 RECEIPT OF THE SAMPLES

The following samples were delivered to Polymer Institut.

All samples were prepared by the client.

- Table 1: Receipt of the samples

Pos.-Nr.	sample	ammount	size [cm]
1	concrete	2	20 x 11
2	free film	1	30 x 20

No further information about preparation were given to Polymer Institut

3 TESTS

3.1 Resistance to artificial weathering in a UV-chamber.

For testing aging effects of UV-radiation in the presence of moisture the liquid applied roof waterproofing kit was tested corresponding to the specified characteristics of the system according to the test conditions for the climatic zone given in the chapter results according to EOTA Technical Report 010 "Exposure procedure for artificial weathering" using fluorescent tubes (UV-A) with the following conditions:

Testing device and parameter:

Testing device: Weiss UV-Global UV 200 RB

Sample rotation: reordering every 2 weeks

Test parameters for UV-radiation:

Light source type: fluorescent light source, according to EN ISO 4892-3

Standard-black-temperature: 60 °C ± 3 °C

Spray cycle: 1 h spraying at 23 °C

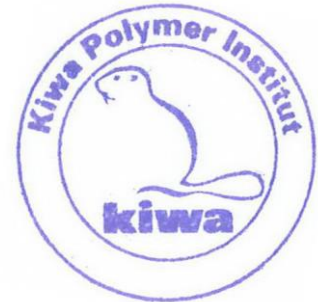
5 h dry period at 60 °C and 10 % r.H.

Exposure time: 2000 h



4 RESULTS

Visual assessment: No changes in color or cracks on the surface could be detected.
Figure 1 – 6 are attached.



Flörsheim-Wicker, 03.06.2020

5 ATTACHMENT

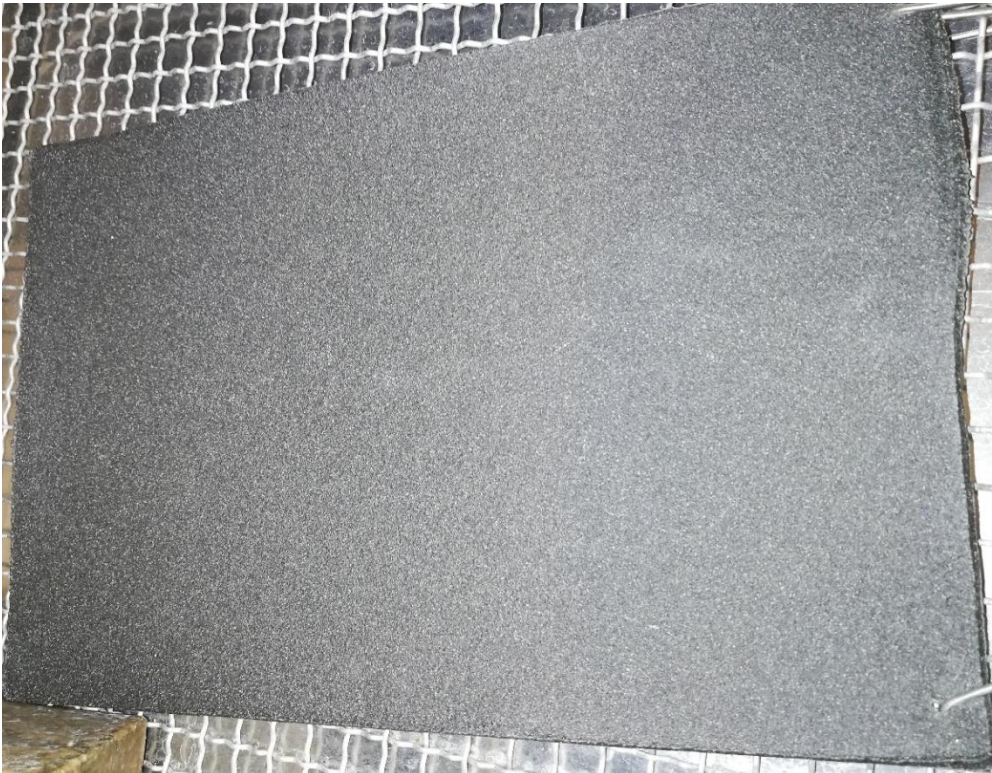


Figure 1: free film before exposure



Figure 2: free film after exposure



Figure 3: sample 1 before exposure



Figure 4: sample 1 after exposure

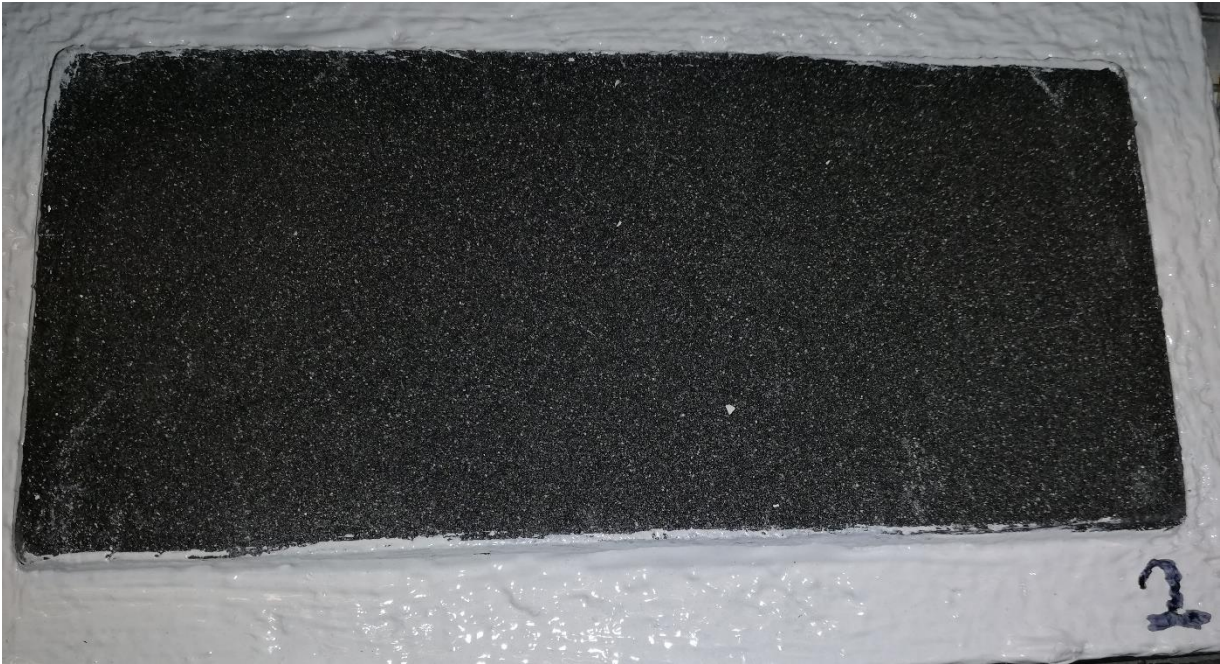


Figure 5: sample 2 before exposure



Figure 6: sample 2 after exposure