

Test report

Adhesion of Quartzline Primers on special test piece of Retanol Xtreme PCT Chemie UK

Principal

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Material

Primer BHH, Primer Universal and Primer GW.

Research

Adhesion test on a delivered piece of sand and cement screed slab, testing the pull off strength of the primers relative to the Retanol Xtreme

Summary of the results

Adhesion	Sand and cement screed fracture
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1 Introduction

This report describes the execution and the results of the pull off test, tested on three different Quartzline primers, intended for sand and cement screed substrates. received piece of sand and cement screed slab with Retanol Xtreme additive has been tested on several substrates and with different primers. The PosiTest AT-A has been used with our Primer BHH, Primer Universal and Primer GW.

2 Definitions

PosiTest AT-A Device for measuring the force required to pull a specified test diameter of coating away from its substrate using hydraulic pressure

3 Execution

For the adhesion test the sand and cement screed substrates has been divided in six squares using masking tape, three brushed squares and three sanded and brushed squares. All primers have been applied by Quartzline guidelines on the different substrates (See TDS). After a curing time of 24 hours the primers where all provided with a “Dolly”, needed for the pull off test. Again, allowed to cure 24 hours as well. The head off the PosiTest is attached to the Dolly’s and by hydraulic pressure the heads where pulled off. By display the results were shown in M/pa.

4 Results

First test	Primer Universal	Primer GW	Primer BHH
Un-sanded	2.49 M/Pa	3.27 M/Pa	2.05 M/Pa
sanded	2.59 M/Pa	2.31 M/Pa	3.31 M/Pa

Second Test	Primer Universal	Primer GW	Primer BHH
Un-sanded	2.76 M/Pa	2.76 M/Pa	3.06 M/Pa
Sanded	2.98 M/Pa	2.70 M/Pa	3.22 M/Pa

5 Conclusion

All Primers had an excellent adhesion on the sand and cement screed slab, both sanded and un-sanded. The Dolly's where pulled off the sand and cement screed slab with primer and screed on it with primer and concrete on it.

All Quartzline Primers can be used depending on chosen system. See Relevant Technical Data Sheet.

6 ADDENDUM

PosiTest AT-A
(Including "Dolly")





