

Test report no.: 99733/12-V-M

Customer: Tremco Illbruck GmbH & Co. KG
Von-der-Wettern-Straße 27
51149 Köln
GERMANY

Order: Determination of adhesion/cohesion properties of the sealant **FS500** at variable temperatures according to DIN EN ISO 9047.

E-mail of: 2012-03-28 and
2012-05-29

Ref.: Dr Michael Futscher

Sample receipt: 2012-03-30

Test period: 2012-03-30 to 2012-06-26

The test report comprises 2 pages.

Würzburg, 2012-08-08

Sc/stc

i. V.



Dr. Anton Zahn



i. V.



Dr.-Ing. Marcus Heindl

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1. Order

Company Tremco Illbruck GmbH & Co. KG, Von-der-Wetteren-Straße 27, 51149 Köln, GERMANY, instructed SKZ - TeConA GmbH by e-mails of 28 March and 29 May 2012 to test the adhesion/cohesion properties of the sealant **FS500** at variable temperatures according to DIN EN ISO 9047.

2. Test material

On March 30, 2012 SKZ - TeConA GmbH received the following samples for testing:

8 cartridges	one-component silicone sealant
designation:	FS500
basis:	alcoxy silicone
batch:	15122011
colour:	black

100 ml one-component primer for absorbent substrates	
designation:	Tremco AT101
batch:	03/12-1048

3. Test procedure

The determination of adhesion/cohesion properties at variable temperatures was carried out according to DIN EN ISO 9047.

The amplitude of **extension/compression** was ± 50 % of the initial joint width.

Usually we carry out tests according to standards for which we have an accreditation. The list of all standards for which we are accredited is shown on the homepage at www.skz.de.

Production and pre-treatment of test specimens

For the tests, specimens with the joint dimensions 12 x 12 x 50 mm were produced according to ISO 8340. As substrate mortar M1 in accordance with ISO 13640 was used. The contact surfaces were pre-treated with primer **Tremco AT101**. The drying time of the primer up to the application of the sealant in the joints was 90 minutes.

The preconditioning of the test specimens was carried out according to ISO 8340, method A.

Method A: 28 days at (23 ± 2) °C and (50 ± 5) % rel. humidity

4. Test results

The test specimens showed neither adhesive nor cohesive failure.