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# Report Crack Bridging

Report-N° 201313729A.en

Project-N° 50 L10313 0001

Client BASF Construction Chemicals Europe AG, Frank Clement, Im Tiergarten 7, 8055 Zürich

Additional Copies to

**Object** Testing for Masterseal 345  
Part \_\_\_\_\_

**Material** Data according to Client

Concrete acc. to	Strength Class	Exposure Class	Consistency	D <sub>max</sub> [mm]	Additional Requirements	Chloride Class
<b>Mix N°</b>	_____	<b>Recipe N°</b>	_____	_____	<b>Additive(s)</b>	_____
Cement Type	_____	_____	_____	_____	_____	_____
Addition	_____	_____	_____	_____	_____	_____
Addition	_____	_____	_____	_____	_____	_____
Addition	_____	_____	_____	_____	_____	_____
Aggregates Origin	_____	<b>Water Absorption W<sub>G</sub></b>	_____	_____	<b>Reported by</b>	_____
<b>Delivery Note N°</b>	_____	<b>Prod. Date</b>	_____	<b>Time</b>	<b>Supplier</b>	_____
Source of Data	_____	<b>Place of Test</b>	_____	<b>Date of Test</b>	_____	<b>Time</b>
Consistency	_____	<b>Method</b>	_____	<b>Temp. Concr.</b>	_____	<b>Temp. Air</b>
Density	_____	<b>Air Content</b>	_____	<b>w/c Ratio</b>	_____	<b>w/c<sub>eq</sub> Ratio</b>
Specimens (#, Form)	_____	_____	_____	<b>Compaction</b>	_____	_____
Storage until Lab	_____	<b>Arrival in Lab</b>	_____	<b>Sender</b>	_____	_____
Further Remarks	_____					

## Specimen

Number	5 Pieces	Form	Drilling core(s) Ø 50 mm
Extraction at	25.07.13	By	VSH, R. Schwarzkopf out of sprayed slab
Storage until Testing	_____	Remarks	_____

## Angaben zum Prüfverfahren

A breakpoint is defined at a temperature of 23 ° C in the base concrete, and continuously opened, to visually evaluate the behavior of the coating.

**Results** for Details see Report of LPM, 5712 Beinwil am See in the appendix

VSH Specimen-N° 2027 1-5

The results of the test are shown below.

The first continuous crack occurs at an average crack width of 3.44 mm. According to SN EN 1062-7, class A 5 (> 2.5 mm) is accomplished.

	Core-N° 2027/1	Core-N° 2027/2	Core-N° 2027/3	Core-N° 2027/4	Core-N° 2027/5
first visible crack initiation at the surface [mm]	1.45	2.21	1.70	1.82	1.85
first continuous crack at the coating [mm]	3.50	3.44	3.78	3.07	3.42
throughout crack of the coating [mm]	4.45	4.50	4.35	4.88	4.50
minimum thickness of coating [mm]	2.0	1.5	2.0	1.5	2.5
maximum thickness of coating [mm]	3.5	4.0	3.5	3.5	5.0

## Remarks

Tested by LPM, 5712 Beinwil am See; Report-N° A-40'192-1

## Hagerbach Test Gallery Ltd.

Flums, 16.10.13

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The test results are applied only to the examined tests.

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