


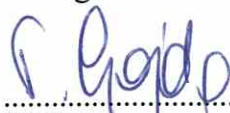



<b>ROAD AND BRIDGE RESEARCH INSTITUTE</b> <b>BRIDGE DEPARTMENT</b> <b>BRIDGE ANTICORROSION PROTECTION</b> St. Instytutowa 1, 03-302 Warszawa <b>TEST REPORT IBDiM No TM-4/81/2018</b>	Page 1	
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<b>DIVISION:</b> <b>LABORATORY:</b> <b>ADDRESS:</b> <b>PLACE OF REALIZATION OF THE ANALYSIS:</b>	Bridge Department Bridge Anticorrosion Protection Unit TM-4 St. Instytutowa 1, 03-302 Warszawa tel.: +48 22/ 39 00 268, fax: +48 22/ 814 13 06 Bridge Anticorrosion Protection Unit TM-4	
<b>THE TOPIC OF THE STUDY:</b>	Determination of the crack bridging properties	
<b>THE CUSTOMER:</b>	Tikkurila Polska S.A. ul. Mościckiego 23 39-200 Dębica Polska	
<b>THE ORDER:</b>	08.10.2018	
<b>SAMPLES:</b> The samples were delivered by: The samples were received by: Date of receiving samples: Date of realization of the study:	The samples were delivered by the customer Leszek Komorowski 10.10.2018 r. 18.10.2018r.	
<b>ANALYSIS METHODS:</b> 1. Determination of the crack bridging properties / PN-EN 1062-7:2005 met. A		
<b>Scientific description and performance by:</b> M. Sc. Eng. Leszek Komorowski  (signature)	<b>Manager of the Team authorizing the study:</b> Ph. D. Eng. Agnieszka Królikowska  (signature)	<b>Head of Bridge Department:</b> M. Sc. Eng. Tomasz Gajda  (signature)
Date of report: 22.10.2018		
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### 1. The basis for the research

The research was performed based on the order dated 12.10.2018 Tikkurila Polska S.A. the crack bridging properties of the coating on the edge of the sample according to PN-EN 1062-7:2005 met. A.

### 2. The description of the examined set and experiments

The test was done according to the standard PN-EN 1062-7:2005 [A method]. Concrete samples with dimensions of 50x75x20 mm were used for the one-coat Temafloor PU system tests [thickness of approx. 2 mm].

The tests were carried out at  $-10\pm 2^{\circ}\text{C}$  on 6 samples. The test consisted of static opening of the scratches until the first signs of system destruction appeared. The crack was opened at a speed of 0.05 mm/min. The substrate was broken in the device shown in Figure C.3 of PN-EN 1062-7:2005 standard.

### 3. The results

The sample number	Test result [ $\mu\text{m}$ ]	The class acc. to PN-EN 1062-7 [A met.]
1	428	A2
2	401	A2
3	455	A2
4	496	A2
5	395	A2
6	410	A2

THE END