

Momentum Technologies, Inc. 1507 Boettler Road Uniontown, Ohio 44685 330/896-5900 Fax 330/896-9943 www.momentumtech.net Physical Testing for: Pazkar Limited

For Accreditation by: ICC AC-29 effective March 1, 2004

Sample ID: Rapidflex

TX29F5A

## **Final Test Report**

Accreditations







**ISO/IEC 17025** 

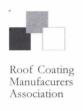


**Associations** 









Date:

September 9, 2005

Sample:

Received June 13, 2005 Logged

in as MTi-050480

Testing Provided:

Analysis of a two part water

based below grade waterproofing coating for compliance with the performance requirements of ICC AC-29 acceptance criteria.

**Testing Dates:** 

June 29, 2005 – September 5,

2005

Sample Selection:

Samples were selected by a

representative of the Standards Institution of Israel in accordance

with Sect. 3.1 of AC-85.

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#### 1.0 Hydrostatic Pressure over Cracks

Table 1 of ICC AC-29 (Feb. 2004) - ASTM C 1306 By:

Sample Thickness:  $128 \pm 5$  mils

Width of crack: 1/16 inch

ICC Requirement: Fifty percent of lowest value achieved

| Rapid Test | Sample<br>1 | Result 25.0 psig       |
|------------|-------------|------------------------|
| Long Term  | 1 2         | 17.5 psig<br>18.5 psig |
|            | 3           | 20.0 psig              |

Result: RapidFlex achieves a value of 25.0psig for the rapid test in accordance with . ICC AC-29, Table 1 (ASTM C1306). RapidFlex achieves a value of 8.75 psig for the Long Term test in accordance with ICC AC-29, Table 1 (ASTM C1306).

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## 2.0 Low-Temperature Flexibility and Crack Bridging -

By: Table 1 of ICC AC-29 (Feb. 2004) - ASTM C836, Section 6.7

Temperature of test: The testing was conducted at -26 °C.

ICC Requirement: No Cracking or loss of adhesion

| Sample | Result |
|--------|--------|
| 1      | Pass   |
| 2      | Pass   |
| 3      | Pass   |
| 4      | Pass   |
| 5      | Pass   |

Result: RapidFlex exhibited no cracking or loss of adhesion when tested in accordance with ASTM C836.

# 3.0 Adhesion Strength to Poured Cement

By: Table 1 of ICC AC-29 (Feb. 2004) - ASTM C836, Section 6.10

Requirement: 1 lbf/in. on surfaces desired

| Sample | Result        |
|--------|---------------|
| 1 ,    | 7.156 lbf/in. |
| 2      | 8.554 lbf/in. |
| 3      | 8.590 lbf/in. |

Average 8.100 lbf/in.

Result:

RapidFlex meets the requirements of ICC AC-29, Table 1

(ASTM C836, Section 6.10) for adhesion strength to poured cement.

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## 3.1 Adhesion Strength to Masonry (unparged)

By: Table 1 of ICC AC-29 (Feb. 2004) - ASTM C836, Section 6.10

Requirement: 1 lbf/in. on surfaces desired

| Sample  | Result        |
|---------|---------------|
| 1       | 3.291 lbf/in. |
| 2       | 2.275 lbf/in. |
| 3       | 2.272 lbf/in. |
| Average | 2.612 lbf/in. |

Result: RapidFlex meets the requirements of ICC AC-29, Table 1 (ASTM C836, Section 6.10) for adhesion strength to Masonry.

#### 4.0 Resistance to Water

By: Table 1 of ICC AC-29 (Feb. 2004) ASTM D2939, Section 15

Requirement: No Blistering or Reemulsification

| <u>Sample</u> | Result                            |
|---------------|-----------------------------------|
| , 1           | No Blistering or Reemulsification |
| 2             | No Blistering or Reemulsification |
| 3             | No Blistering or Reemulsification |

Result: RapidFlex meets the requirements of ICC AC-29, Table 1 (ASTM D2939, Section 15) for resistance to water.

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### 5.0 Remain in place during application

By: Table 1 of ICC AC-29 (Feb. 2004) - ASTM C836, Section 6.9

Thickness of Testing: Sample was tested at a wet thickness of 240 mils.

ICC Requirement: As recommended by manufacturer  $\pm$  5 mils

Result: RapidFlex meets the requirements of ICC AC-29, Table 1 (ASTM D2939, Section 15) for the ability to remain in place during application. The final thickness after 24 hours was 240 mils Dry. Note: Rapid Flex Accelerator was used to immediately cure this sample according to the manufacturer's directions.

#### 6.0 Water Vapor Permeance

By: Table 1 of ICC AC-29 (Feb. 2004) - ASTM E96, Water Method

Requirement: Maximum 1 perm

|         | 1          | Sample     | Result |
|---------|------------|------------|--------|
|         | 1          | 0.37 perms |        |
|         | 2          | 0.35 perms |        |
|         | 3          | 0.34 perms |        |
| Average | 0.35 perms |            |        |

Result: RapidFlex meets the requirements of ICC AC-29, Table 1 (ASTM E96, Water Method) for Water Vapor Permeance.

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# 7.0 Extensibility after heat aging

By: Table 1 of ICC AC-29 (Feb. 2004) - ASTM C836, Section 6.12

ICC Requirement: 1/4 inch, no cracking

| Sample | Result                         |
|--------|--------------------------------|
| 1      | Pass ¼ inch with no cracking   |
| 2      | Pass 1/4 inch with no cracking |
| 3      | Pass 1/4 inch with no cracking |

Result: RapidFlex meets the requirements of AC 29, Table 1 (ASTM C836, Section 6.12) for extensibility after heat aging.

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Sample ID: Rapidflex

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Conclusion: The completed testing shows that

RapidFlex passes the requirements of

ICC AC-29, Table 1.

Verified by David W. Dunn

Laboratory Manager

Tested by

Timothy J. Stoffer Laboratory Technician