

**Test Report No. 7191067958-MEC13/01B-ED**  
dated 30 Sep 2013



PSB Singapore

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**SUBJECT:**

Testing of liquid-applied polyurethane waterproofing membrane

**TESTED FOR:**

Maris Polymers S.A.  
Industrial area of Inofita  
32 011 Inofita  
Greece

Attn: Mr Lance Khoo

**SAMPLE DESCRIPTION:**

The following item was received on 12 Aug 2013 as shown:

| Sample                          | Size     | Quantity |
|---------------------------------|----------|----------|
| 'Mariseal 650'<br>Liquid sample | 1 kg/tin | 2 tins   |

The test sample was prepared by TÜV SÜD PSB Pte Ltd.

| Substrate                             | Area of application | Quantity |
|---------------------------------------|---------------------|----------|
| 200 mm x 200 mm x 50 mm concrete slab | 200 mm x 200 mm     | 1 pc     |

**TEST METHOD:**

**Adhesion-to-substrate**

Adopted ASTM D4541 : 2009 Standard Test Method For Pull-Off Strength Of Coatings Using Portable Adhesion Testers

Test area : 50 mm x 50 mm  
Crosshead speed : 5 mm/min  
No. of determinations : 3

*Ed* *E*



TÜV SÜD PSB

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**TUV®**

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**CONDITIONING:**

Unless otherwise specified, all test specimens were conditioned at  $23 \pm 2^\circ\text{C}$ ,  $70 \pm 15\%$  relative humidity and tested at  $23 \pm 2^\circ\text{C}$ ,  $65 \pm 5\%$  relative humidity. The adhesion-to-substrate test was conducted at  $23 \pm 2^\circ\text{C}$  and  $50 \pm 5\%$  relative humidity.

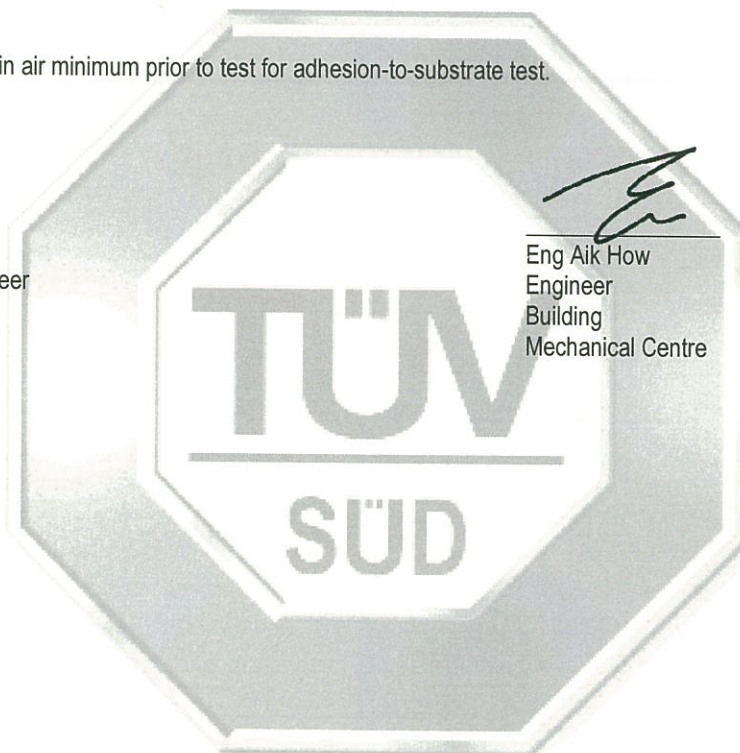
**TEST RESULT:**

| Test                           | Unit              | 'Mariseal 650' |
|--------------------------------|-------------------|----------------|
| Adhesion-to-substrate, average | N/mm <sup>2</sup> | 0.5            |

**REMARKS:**

Test age : 14-day cure in air minimum prior to test for adhesion-to-substrate test.

Eddie Suwand  
Senior Associate Engineer



Eng Aik How  
Engineer  
Building  
Mechanical Centre

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July 2011

