

CERTIFICATE

253 1105 37A

Tests according to EN 253:2009

for

Pre-insulated bonded pipe system from SPPI

Order from

Saudi Preinsulated Pipes Industries LLC, Riyadh

Test specimen Nr. 3183, 3184, 3185, 3186, 3187, 3188:

Pre-insulated bonded pipes

diameter for steel 60,3 mm and diameter for casing 180 mm

Report **1015E4975**

In the period March 2011 to Mai 2011 the following tests were done according to

EN 253:2009 at FFI:

Geometry (EN 253:2009 4.2.3, 4.4.2, 4.5.3, 4.5.4)

Visual examinations (EN 253:2009 4.2.4, 4.3.2.3, 4.5.10)

Foam properties (EN 253:2009 4.4.2)

Shear strength (EN 253:2009 4.4.3, 4.5.5.1)

Thermal conductivity in non aged condition (EN 253:2009 4.5.6)

Determination of impact resistance (EN 253:2009 4.5.8)

Determination of axial shear strength at 140 °C after ageing (EN 253 4.5.5.1)

Determination of thermal conductivity in aged condition (EN 253 4.5.7)

The pre-insulated bonded pipes passed the tests.

Hemmingen, 07.07.2011


Thomas Grage
Managing Director

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André Liebermann
Project Manager

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Geometry (EN 253:2009 4.2.3, 4.4.2, 4.5.3, 4.5.4);

Visual examinations (EN 253:2009 4.2.4, 4.3.2.3, 4.5.10);


Foam properties (EN 253:2009 4.4.2);

Shear strength (EN 253:2009 4.4.3, 4.5.5.1);

Thermal conductivity in unaged condition (EN 253:2009 4.5.6);

Determination of impact resistance (EN 253:2009 4.5.8)

The pre-insulated bonded pipes passed all tests.



Dipl.-Ing. Thomas Grage
Managing Director

Hemmingen, 06.05.2011

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