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Testing of a welded joint, Sallingplast Svetsmuff

Object

One welded DN 315 mm joint

Date of arrival

April 20, 2010

The Client delivered to SP one welded Sallingplast Svetsmuff DN 315 mm.

On the joint water impermeability test and weld joint stress crack resistance test according to EN 489:2009 were performed.

TEST RESULTS

5.2 Water impermeability test

After exposure to 30 kPa outside water pressure for 24 h the joint sleeve was removed. No signs of water ingress could be found in the joint.

Test method: EN 489:2009 clause 5.2.
Test temperature: + 23 ± 2 °C
Date of test: April 21 – 22, 2010

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5.3 Weld joint stress crack resistance test

Sample designation	Time to failure, h
Joint end A No 1	>315
Joint end A No 2	>315
Joint end B No 1	>315
Joint end B No 2	>315
Mean value	>315
Requirement according to EN 489:2009 clause 4.2.4	≥300

Test method: EN 253:2009 clause 5.2.4
Test temperature: + 80 ± 0.3 °C
Test medium: Water with 2 % Arkopal N 100
Test load: 4 MPa ± 1 %
Date of test: April 28 – May 11, 2010

Conclusion

The result for the tested characteristics fulfils the requirements in EN 498:2009.

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