

TEST CERTIFICATE



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Test report no. 220012828-18-02

Client

KRASO GmbH & Co. KG
Max-Planck-Strasse 2
46414 Rhede

Order date 12/04/2018
Receipt of samples 13/04/2018
MPA NRW no.: 82/18
Test date 25/04 to 02/05/2018

Order

Testing the water pressure resistant
“KRASO[®] system cover with hose adapter“

Sample type

“KRASO[®] system cover with hose adapter“

Number of samples

1 unit

Underlying requirements

Test pursuant to customer specifications:

1. Pressure 2.0 bar, increase every 15 min by 0.5 bar to 3.5 bar.
2. 4 cycles of alternating water pressure, 15 min 3.5 bar / 5 min unpressurised.
3. 7 days of constant pressure at 3.5 bar.

The results of the tests relate solely to the samples/test object referred to above.
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This test certificate comprises 2 pages and 1 appendix.

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of the original**
PTS GmbH
1A, rue de la Laiterie
L-9910 Troisvierges
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26.03.25

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Test report no. 220012828-18-02 dated 04/05/2018

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1. Sampling process

The sample was submitted by the client to the MPA NRW Dortmund for testing on 13/04/2018.

2. Test setup (according to the client's specifications)

To test the water pressure tightness of the sealing system, the wall penetration was encased in C25/35 concrete. The component had the dimensions (L x W x H) 600 x 600 x 360 mm. The component had an opening with a diameter of 177.8 mm, over which a clamping bell was placed (Appendix 1).

3. Test procedure

The tests listed below were carried out straight after one another:

Test sequence 1:

- Pressure 2.0 bar
- Increase every 15 min by 0.5 bar to 3.5 bar

Test sequence 2:

- 4 cycles of alternating water pressure
- 15 minutes at 3.5 bar
- 5 minutes unpressurised

Test sequence 3:

- 7 days of constant pressure at 3.5 bar

4. Result

No pressure drop or leakage was able to be detected over the entire test duration.

Dortmund, 16/05/2018

On behalf of

[Signature]

[Stamp]

Minh Công, Trần
Person responsible

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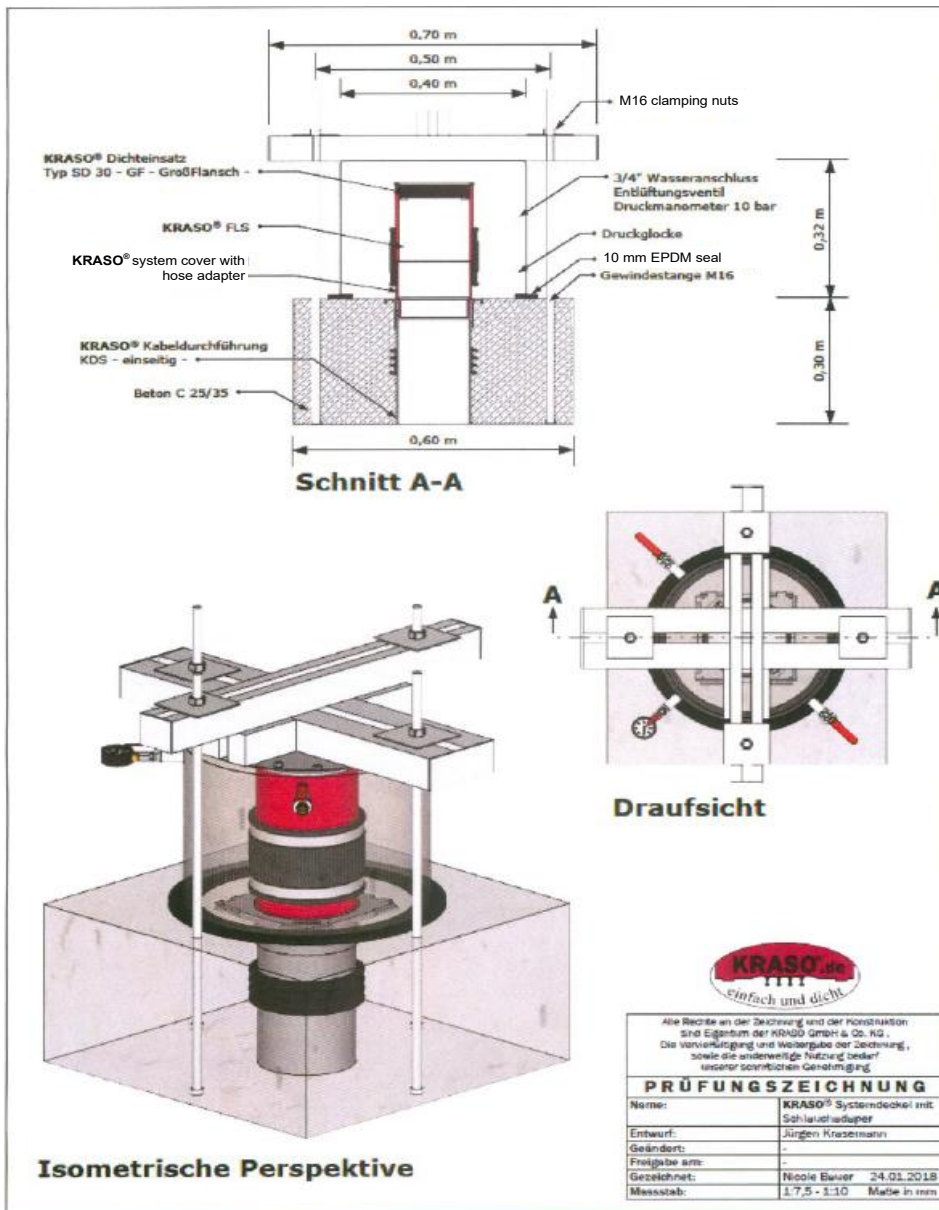
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Appendix 1

Appendix



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