

# TYPE APPROVAL CERTIFICATE 0707

## WITH DIRECTIONS ON PRODUCTION CONTROL

KEYWORD: DOMESTIC WATER  
PIPE

BBR 6:61  
BSAB PN

### UNATHERM PE-RT DOWLEX 2388 pipes

#### Certificate holder

UNATHERM GmbH, Gewerbestrasse 5, DE - 51580 Reichshof - Wehrath.  
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#### Product

Unatherm PE-RT - "Polyethylene of Raised Temperature Resistance" is a one - layer pipe.  
The pipes are joined using compression connectors.

The pipes are available in the following dimensions: (outher diameter x material thickness):  
(12 x 2,0), (15 x 2,5), (16 x 2,5), (18 x 2,5), ( 20 x 2,8 ), (22 x 3,0), (25 x 3,5), (28 x 4,0).

#### Application

Water pipe systems indoors for not hidden, hot and cold water installation.

#### Approval

The product is approved with respect to the following paragraphs in the Swedish Building Regulations (BBR):

Construction products with confirmed properties	
- Type approval and production control	1:4
Water supply installation, General, Materials, etc.	6:62
Design, construction, etc.	6:625

The approval applies for normal hot water temperature up to 70°C at the maximum operating pressure of 1 MPa and peak temperature up to 95°C.

Within the prescribed field of application, the products meet the criteria (essential requirements) stipulated in PBL, 8 cap.4 § Regulations governing the technical properties of materials, products etc., used in construction works:

1. Durability
3. Protection in terms of hygiene, health and environment
4. Safety in use

#### Period of Validity

Approval granted 20/5/2011, Reg. No. 292/11. Type approval valid until 20/5/2016.

This Certificate supersedes the previous certificate with the same number, dated 21/4/2006, Reg. No. 040/02.

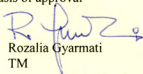
The type approval certificate is valid provided that the certificate holder reports annually to Swedcert on production control carried out.

On delivery to construction site the product should be accompanied by manufacturer's Quality assurance in accordance with BFS 2011:19, TYP 5.

SWEDCERT AB

Appendix 1	Associated documents	20/5/2011
Appendix 2	Product markings	20/5/2011
Appendix 3	Directions on production control	20/5/2011
Appendix 4	Basis of approval	20/5/2011

  
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