

# SWEDISH TECHNICAL APPROVAL

**1393/89**

and decision on production control in accordance with chapter 8, 22 and 23 §§ Planning and Building Act (2010:90), PBL

## Purus pipe connectors for waste water pipes


|                               |   |                               |   |           |  |
|-------------------------------|---|-------------------------------|---|-----------|--|
| Holder                        | Purus AB, Södra Dragongatan 15, 272 39 YSTAD, Sweden<br>Tel: 010-41 44 900, Fax: 010-41 44 996,<br>E-mail: info@purus.se, Website: www.purus.se, Vat No.: 556361-1887.  |                               |   |           |  |
| Product                       | Purus pipe connectors are made of two materials: TPE or EPDM. Pipe connectors are marked with their corresponding material designation. The dimension range for the combination connectors is 32-130 mm and for the single connectors 32-178 mm. In the appendix to this certificate the available single- and combination connectors are listed.   |                               |   |           |  |
| Intended use                  | Connectors are intended to enable transition between pipes of different dimensions in a waste water installation. They are approved for concealed installation.   |                               |   |           |  |
| Trade name                    | Purus Pipe Connectors.  |                               |   |           |  |
| Approval                      | The products satisfy the requirements set forth in chapter 8, 4 § 3 PBL, in respect to and under conditions stated in this certificate, and are therefore approved in accordance with the provisions of the following sections of the Building Regulations issued by the National Board of Housing, Building and Planning ( <i>BBR</i> ):<br><table><tr><td>Installations for waste water</td><td>6:641, 1<sup>st</sup> paragraph and 3<sup>rd</sup> sentence<br/>in 2<sup>nd</sup> paragraph</td></tr><tr><td>Designing</td><td>6:644 1<sup>st</sup> sentence and 2<sup>nd</sup> paragraph</td></tr></table> | Installations for waste water | 6:641, 1 <sup>st</sup> paragraph and 3 <sup>rd</sup> sentence<br>in 2 <sup>nd</sup> paragraph | Designing | 6:644 1 <sup>st</sup> sentence and 2 <sup>nd</sup> paragraph |
| Installations for waste water | 6:641, 1 <sup>st</sup> paragraph and 3 <sup>rd</sup> sentence<br>in 2 <sup>nd</sup> paragraph   |                               |   |           |  |
| Designing                     | 6:644 1 <sup>st</sup> sentence and 2 <sup>nd</sup> paragraph  |                               |   |           |  |
| Associated documents          | Connector guide dated 2007-05 with function instruction for combination pipe connectors.  |                               |   |           |  |
| Control                       | Production control is to be performed in accordance with instructions for control dated 14 Juni 2011. An independent inspection body audits the control. Control agreement: Ref no.210-97-0648 Inspection body: SP Technical Research Institute of Sweden   |                               |   |           |  |

When the building proprietor performs inspection at the building site, he shall check the markings to ensure that the correct products have been supplied and that they are used in accordance with the requirements stated in the approval and the associated documents. He must also check that the product is accompanied by a manufacturing assurance, which certifies that the product has been manufactured in accordance with the documents on which this certificate is based.


**Manufacturer** Production control includes the following site:  
Purus AB, Ystad, Sweden.

**Marking** The products are to be marked at the factory. The marking consists of a text on every product and sign label on every packings and includes:

Single- and combined connectors are to be marked with:

|   |   |
|---|---|
| Trademark                                       | <b>Purus</b>  |
| Boverket's registered trademark                 |  |
| RSK number of the connector in question         | <b>No. xx</b>   |
| Dimension designation in mm.                    | <b>xx mm</b>  |
| Running date of manufacture by the clock method |   |

The packaging is to be marked with:

|   |   |
|---|---|
| Approval holder                                 | <b>Purus</b>  |
| Trademark                                       | <b>Purus</b>  |
| Boverket's registered trademark                 |  |
| Certification body and accreditation number     | <b>SP SITAC 1002</b>  |
| RSK number of the connector in question         | <b>RSK No.</b>  |
| Approval number                                 | <b>1393/89</b>  |
| Dimension designation in mm.                    | <b>xx mm</b>  |
| Running date of manufacture by the clock method | <b>xx</b>   |
| Inspection body                                 | <b>SP</b>   |

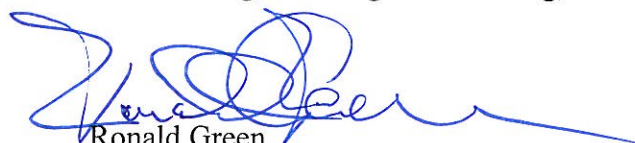
**Basis for approval** Test reports no. P205544KMp, P2 05544, F310957, F314467, F314696, F624958 and F701414 from SP Technical Research Institute of Sweden  
Reports no. P901641-11A och FX123719 from supervisory production inspection by SP.

**Comments** The combination- and single connectors have been tested according to the following standards: EN 681-1 clause 4.2.5.2, EN 681-2, clause 5.5.2, and clause 5.6, EN 411 clause 5.4.2.1, EN 877 clause 5.7.2.7, EN 1451 section 9 and table 16 application area BD.  
This approval supersedes the previous certificate with the same number dated 2008-06-26 and with project number T000249-05.

**Period of validity** This approval is valid until 05 Mars 2017.

The formal validity of an approval expires after the transitional period for the harmonised specification that makes it possible to CE-mark the product. However, the technical assessment showing that the product fulfils the requirements in the building regulations, issued by the Swedish National Board of Housing, Building and Planning, is not affected.

  
Ingvar Pettersson

  
Ronald Green

## Appendix 1(1)

| RSK       | Designation                   | Material |      |
|-----------|-------------------------------|----------|------|
|           |                               | TPE      | EPDM |
|           | <b>Single connectors</b>      |          |      |
| 310 69 52 | Gumminippel 43/32             |          | X    |
| 310 69 60 | Gumminippel 43/40             |          | X    |
| 310 61 68 | Gumminippel 45/32             |          | X    |
| 310 61 76 | Gumminippel 45/40             |          | X    |
| 310 62 00 | Gumminippel 50/32             |          | X    |
| 310 62 26 | Gumminippel 50/40             | X        |      |
| 310 66 48 | Gumminippel 64/50             |          | X    |
| 310 63 41 | Gumminippel 70/32             |          | X    |
| 310 63 90 | Gumminippel 70/50             |          | X    |
| 310 63 91 | Gumminippel 73/50             |          | X    |
| 310 58 63 | Gumminippel 83/40             |          | X    |
| 310 66 30 | Gumminippel 83/50             |          | X    |
| 310 66 55 | Gumminippel 83/75             |          | X    |
| 310 66 06 | Gumminippel 96/50             |          | X    |
| 310 66 14 | Gumminippel 96/75             |          | X    |
| 310 68 25 | Gumminippel 105/75            |          | X    |
| 310 68 28 | Gumminippel 105/90            |          | X    |
| 310 66 22 | Gumminippel 123/110           |          | X    |
| 310 69 78 | Gumminippel 100/50            |          | X    |
| 310 69 86 | Gumminippel 100/75            |          | X    |
| 310 69 94 | Gumminippel 123/75            |          | X    |
| 310 66 25 | Gumminippel 150/110           | X        |      |
| 310 66 26 | Gumminippel 178/160           | X        |      |
|           | <b>Combination connectors</b> |          |      |
| 310 62 27 | Kombinippel 50-40/32          | X        |      |
| 310 63 61 | Kombinippel 64/58-50/40       | X        |      |
| 310 63 60 | Kombinippel 75/70-50/40       | X        |      |
| 310 68 21 | Kombinippel 96/83-75/50       | X        |      |
| 310 62 29 | Kombinippel 100/105-75/50     | X        |      |
| 310 62 30 | Kombinippel 100/105-90/75     | X        |      |
| 310 63 32 | Kombinippel 123/130-110/75    | X        |      |