

SWEDISH TECHNICAL APPROVAL 0117/07

and decision on production control in accordance with 18-20 § Law (1994:847) on technical specification requirements for construction work, etc., BVL

PUM - Purus Universal Membrane

Holder	PURUS AB, Södergatan 7, 275 31 SJÖBO, Sweden Phone: 0416-257 00, Fax: 0416-257 20, E-mail: info@purus.se, Web site: www.purus.se, Registration number.: 556361-1887.
Product	PUM – Purus Universal Membrane DN 40 is available for horizontal and vertical installation. The odour barrier membrane is installed in a cassette which can be installed inside a Ø 40 mm pipe. The membrane, the active function in the product, is made from transparent, 2-component silicone material. Membrane cassette, black, RSK 807 54 10 for vertical installation in the inlet end of the pipe. Membrane cassette, white, RSK 807 54 11 for horizontal installation in a fixed outlet end.
Intended use	To prevent odours from being spread from the drain system/waste water system. Odour barrier for connection of hand basins, showers and baths to waste water systems. Specified flow rates for each pressure level (mm water pillar) are found in a diagram below the comments section.
Trade name	PUM – Purus Universal Membrane Ø 40 mm.
Approval	The product satisfies the requirements set forth in 2 § 3 BVL, in respect to and under conditions stated in this certificate, and is 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>): Installations for waste water 6:641, 1:nd paragraph and last sentence in 2:nd paragraph Design 6:644, 1:st paragraph, 1:st sentence
Appurtenant documents	PUM Instruction, Odour barrier cassette dated 2009-11-04.



Control Production control is to be performed in accordance with the control instructions dated 2007-02-22 with registration no. 210-97-0648. An independent third-party body SP, the Technical Research Institute of Sweden, audits the control.

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 requirements stated in the approval and the appurtenant 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 Sjöbo AB, Sjöbo, Sweden.

Marking The product is to be marked at the factory. The marking consists of a text on every product/package supplied and includes:

The package is marked:

Holder
Boverket's registered trademark
Certification body and accreditation number
Product type designation
Approval certificate number
Control body

PURUS
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SP SITAC 1002
PUM
0117/07
SP

Basis for assessment Reports nos. ETkP906040 from SP, the Technical Research Institute of Sweden.

Comments The product, PUM, has been tested in accordance with selected sections of SS EN 274-2:2002 and SS EN 1253-2:2004.

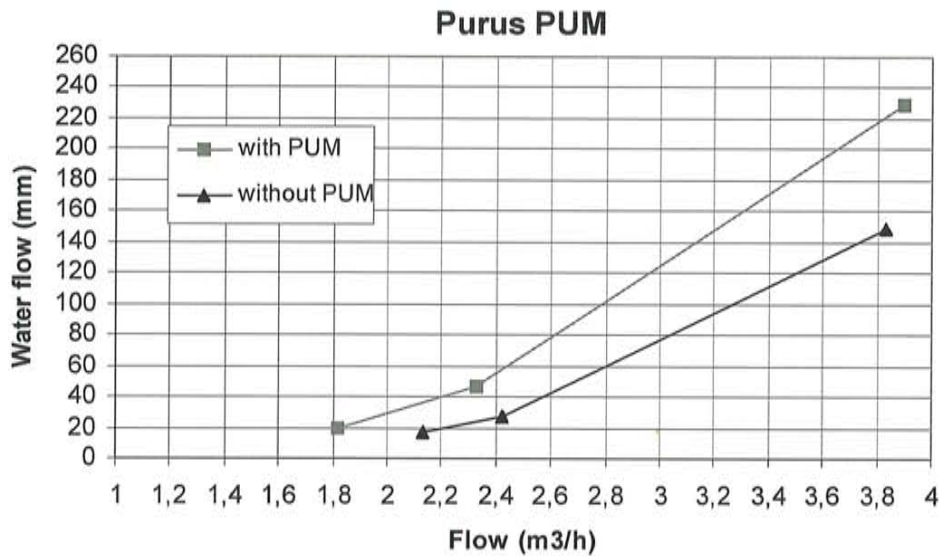


Comments
cont'd

The flow diagram starts at the point representing 20 mm wp. (water pillar) and flow rate of $1.8 \text{ m}^3/\text{h} = 0.5 \text{ l/s}$.

The flow requirement in SS EN 274-1:2002 for the water trap in a hand basin is 0.6 l/s at 120 mm wp.

In the flow diagram below, the flow is $2.95 \text{ m}^3/\text{h} = 0.82 \text{ l/s}$ at 120 mm wp.



Period of
validity

This approval is valid until 2014-11-12.

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.



Johan Åkesson



Ronald Green