



Rue d'Arlon 53  
BE - 1040 BRUSSELS

Tel. : + 32 2 238 24 11  
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## CERTIFICATE OF CONFORMITY

BB - 651 - 1640 - 1519 - C1 / C2 / C3 . D1 - 1640  
BB - 651 - 1640 - 1519 - C1 / C2 / C3 . D2 - 1640  
BB - 651 - 1640 - 1519 - C1 / C2 / C3 . D3 - 1640

BCCA declares that has been established that:

**Akatherm International BV.**  
**Industrieterrein, 11**  
**5980 AC Panningen**

has taken the necessary measurements to realize that:

### COMPONENTS OF POLYETHYLENE (PE)

for the

component groups: C1 , C2 and C3 for the diameter group D1

component groups: C1 , C2 and C3 for the diameter group D2

component groups: C1 , C2 and C3 for the diameter group D3

produced at the production site

**Akatherm International BV.**  
**Industrieterrein, 11**  
**5980 AC Panningen**

Fulfill the requirements stated by the standard: NBN EN 1519 - 1

Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure -  
Polyethylene (PE)  
and the PTV 1004

This certificate is granted on the basis of the research and the approved initial type-testing (ITT) executed on samples taken at the above mentioned production site, on the basis of an initial inspection of the factory and the factory production control system (FPC).

BCCA confirms that the production is submitted by the manufacturer to a factory production control system and to further testing of samples taken at the factory in accordance with a prescribed test plan.

By means of periodical inspections of the control registrations, audit testing and a yearly FPC system audit, BCCA supervises the production and the production control.

On basis of the certificate, the manufacturer is granted to use the BENOR label to state the conformity of this product.

This authorization is effective from 01/03/2011 and this certificate is valid until 28/02/2014 as long as the product is according to specification and/or the manufacturing conditions in the factory of the FPC itself are not modified significantly.

done at Brussels 12/05/2011

ir. B. De Blaere  
General Manager





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**Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure - Polyethylene (PE)**

TECHNICAL FILE	Version:	1
This documentation is part of the certificate and completes the information of the corresponding BENOR-certificate	Date:	12/05/2011
	Author:	CLE/BCCA

**BB - 651 - 1640 - 1519 (D1 / D2 / D3) C1 / C2 / C3**

diameter group 1	Ø (mm)	<b>D1</b>	32	40	50	56	63
diameter group 2	Ø (mm)	<b>D2</b>	75	90	110	125	160
diameter group 3	Ø (mm)	<b>D3</b>	200	250	315		

Component types which are part of this certificate

component group 1 (C1)		component group 2 (C2)		component group 3 (C3)	
Ø	Bends	Ø	branches	Ø	couplers, reducers...
S12,5 application code "BD" (*)					
S16 application "B" (*)					

examples of the different types of components



**(\*) Application code**

"B"	code for application area inside buildings and outside the building fixed to the wall
"D"	code for application area under and within one meter from the building where the pipes and fittings are buried in the ground.

<b>Marking (example)</b>	<b>directly on the fitting</b>	<b>Example label (package)</b>
	<p>AKATHERM PE Ø 56X45° EN1519 - S12,5-16</p> <p>Directly on the fitting, marking during production in the mould</p>	<p>akatherm</p> <p>ART. NO.: 20 06 04</p> <p>20 2,6 kg</p> <p>PE 63/40 95,5°</p> <p>7 16798 002486</p>
	<p><b>manufacturer - commercial name- dimension - standard - BENOR - date - code of production, PE</b></p>	