



DECLARATION



Declaration of Conformity

Declaration
of Conformity **K63155/02**

Date **2022-01-15**

Replaces : -

Kiwa declares that, based on tests, the 'Flexible pre-insulated piping system "Flexalen 600" and "Flexalen PU" as certified by Kiwa and manufactured by

Thermaflex Isolatie B.V.

may, on delivery, be relied upon to comply with:

EN 15632: part 1 (general) part 2 (bonded system) and part 3 (non-bonded system) : "District heating pipes – Pre-insulated flexible pipe systems" .

Flexalen 600 and Flexalen PU

Remarks

The piping system exists of the following parts:

- a pipe package existing of:
 - PB inner pipes (colour: grey) or PB inner pipes provided with an oxygen barrier layer(colour:grey/red)
 - PE (Flexalen 600/ 600SL) & PUR (Flexalen PU) insulation layer around the inner pipe
 - HDPE (Flexalen 600/ 600SL) and LDPE (Flexalen PU) protection pipe around the insulation layer (colour: black)
- electrofusion, socket fusion and mechanical fittings;
- products for connecting the pipe package to the supply pipe

SPECIFICATION

The dimensions covered under this declaration of conformity are shown on the next page.

Marking

The marking must be in compliance with EN 15632.

RECOMMENDATIONS FOR CUSTOMERS

Check at the time of delivery whether:

- the products show no visible defects as a result of transport etc.
- the declaration of conformity is valid.

Publication of this declaration is allowed and consists of 2 pages.

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Flexalen 600 and Flexalen PU

SPECIFICATION

The following dimensions are covered under this declaration of conformity.

PB Service pipe		FLEXALEN 600 / 600SL ^a		FLEXALEN PU ^b	
Nominal outside diameter (mm)	Wall thickness (mm)	Nominal diameter protection pipe, single pipes (mm)	Nominal diameter protection pipe, double pipes (mm)	Nominal diameter protection pipe, single pipes (mm)	Nominal diameter protection pipe, double pipes (mm)
16	2,2	40, 50, 63, 75, 90, 125	90, 125, 160	76, 91	91, 111
20	2,8	40, 50, 63, 75, 90, 125	90, 125, 160	76, 91	91, 111
25	2,3	50, 63, 75, 90, 125, 160	125, 160, 200	76, 91	91, 111
32	3,0	63, 75, 90, 125, 160	125, 160, 200	76, 91, 111	111, 126
40	3,7	75, 90, 125, 160	125, 160, 200	91, 111, 126	126, 142
50	4,6	75, 90, 125, 160	160, 200	111, 126	162, 182
63	5,8	90, 125, 160, 200	200	126, 142	182, 202
75	6,9	125, 160, 200		142, 162	202
90	8,2	160, 200		162, 182	202

^a Flexalen 600/ 600SL (non- bonded) system has PE isolation and HDPE protection pipes

^b Flexalen PU (bonded) has PUR insulation and LDPE protection pipes

Remarks:

- The piping package can both be executed as a single pipe as well as a twin pipe inner tubes. The connections for the inner pipe (electro fusion, butt fusion, socket fusion and press fittings) are made with specialized tools.