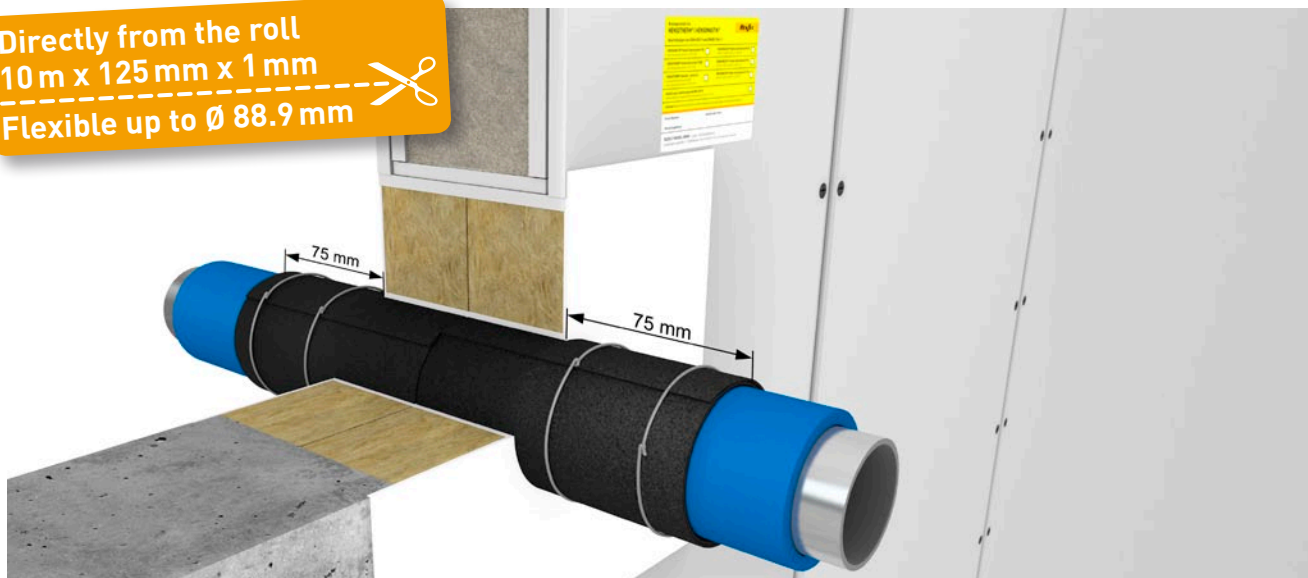


# HENSOTHERM®

## HENSOTHERM® 7 KS Gewebe 125

Intumescent pipe wrap for incombustible pipes with insulation  
in the HENSOMASTIK® Mixed Penetration Seal EI90/EI120 + EI30/EI60

Directly from the roll  
10 m x 125 mm x 1 mm  
Flexible up to Ø 88.9 mm



### Installation in lightweight and solid walls EI 90

Copper and steel pipes with Armaflex Ultima and HENSOTHERM® 7KS Gewebe 125

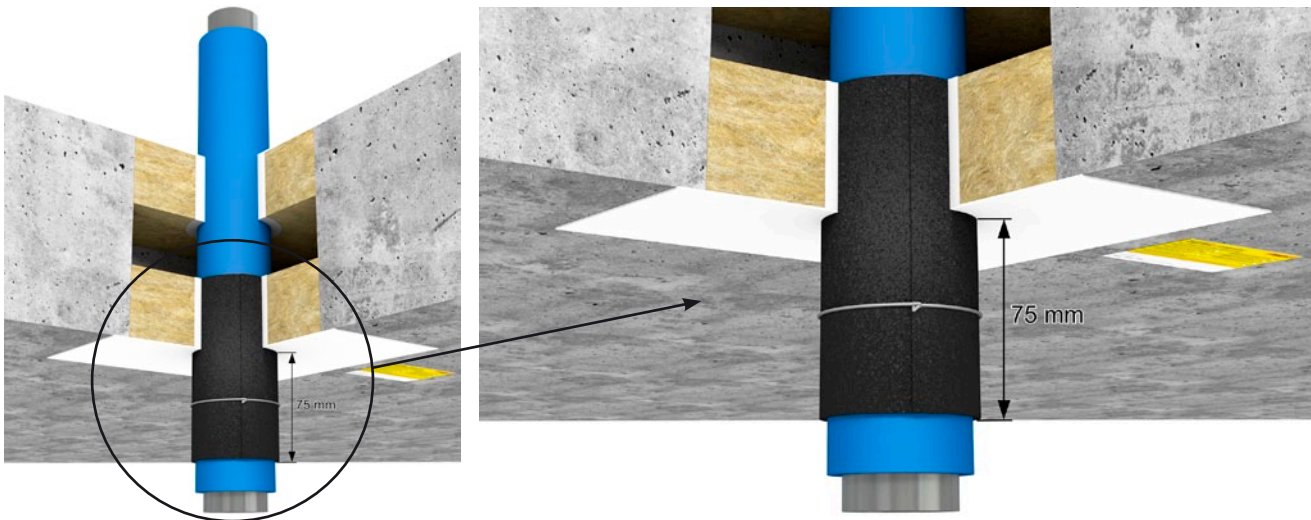
| Pipes          | Pipe diameter [mm] | Pipe wall thickness [mm] | Layers of HENSOTHERM® 7KS Gewebe 125 | Insulation thickness [mm] | Insulation length [mm] | Classification |
|----------------|--------------------|--------------------------|--------------------------------------|---------------------------|------------------------|----------------|
| Copper / Steel | ≤ 15               | 1.0 – 14.2               | 2                                    | 13 – 25                   | 1,000 mm (LS)          | EI 120 U/C     |
|                | ≤ 15               | 1.0 – 14.2               | 2                                    | 13 – 25                   | (CS)                   |                |
|                | > 15 ≤ 54          | 1.5 – 14.2               | 2                                    | 25                        | 1,000 mm (LS)          | EI 90 U/C      |
|                | > 15 ≤ 54          | 1.5 – 14.2               | 2                                    | 25                        | (CS)                   |                |
| Steel          | > 54 ≤ 88.9        | 3.2 – 14.2               | 2                                    | 25                        | 1,000 mm (LS)          | EI 120 U/C     |
|                | > 54 ≤ 88.9        | 3.2 – 14.2               | 2                                    | 25                        | (CS)                   | EI 90 U/C      |

Copper and steel pipes with Armaflex LS and HENSOTHERM® 7KS Gewebe 125

| Pipes          | Pipe diameter [mm] | Pipe wall thickness [mm] | Layers of HENSOTHERM® 7KS Gewebe 125 | Insulation thickness [mm] | Insulation length [mm] | Classification |
|----------------|--------------------|--------------------------|--------------------------------------|---------------------------|------------------------|----------------|
| Copper / Steel | ≤ 15               | 1.0 – 14.2               | 2                                    | 13 – 25                   | 1,000 mm (LS)          | EI 120 U/C     |
|                | ≤ 15               | 1.0 – 14.2               | 2                                    | 13 – 25                   | (CS)                   | EI 120 U/C     |
|                | > 15 ≤ 54          | 1.5 – 14.2               | 2                                    | 25                        | (CS)                   |                |
| Steel          | 88.9               | 3.2 – 14.2               | 2                                    | 25                        | 1,000 mm (LS)          | EI 90 U/C      |
|                | > 54 ≤ 88.9        | 3.2 – 14.2               | 2                                    | 25                        | (CS)                   |                |

Copper and steel pipes with Kaiflex KK plus and HENSOTHERM® 7KS Gewebe 125

| Pipes | Pipe diameter [mm] | Pipe wall thickness [mm] | Layers of HENSOTHERM® 7KS Gewebe 125 | Insulation thickness [mm] | Insulation length [mm] | Classification |
|-------|--------------------|--------------------------|--------------------------------------|---------------------------|------------------------|----------------|
| Steel | 88.9               | 3.2 – 14.2               | 2                                    | 28.5                      | 1,000 mm (LS)          | EI 120 U/C     |
|       | > 54 ≤ 88.9        | 3.2 – 14.2               | 2                                    | 28.5                      | (CS)                   | EI 90 U/C      |
|       | 88.9               | 3.2 – 14.2               | 2                                    | 28.5                      | (CS)                   | EI 120 U/C     |



### Installation in rigid floors EI 90

Copper and steel pipes with Armaflex AF and HENSOTHERM® 7 KS Gewebe 125

| Pipes             | Pipe diameter [mm] | Pipe wall thickness [mm] | Layers of HENSOTHERM® 7KS Gewebe 125 | Insulation thickness [mm] | Insulation length [mm] | Classification |
|-------------------|--------------------|--------------------------|--------------------------------------|---------------------------|------------------------|----------------|
| Steel / Cast iron | ≤10                | 1.0–5.0                  | 2                                    | 11                        | 1,000 mm (LS)          | EI 120 C/U     |
|                   | ≤22                | 1.0–11                   | 2                                    | 18                        | 1,000 mm (LS)          | EI 90 C/U      |
|                   | ≤54                | 1.5–14.2                 | 2                                    | 28.5                      | 1,000 mm (LS)          | EI 120 C/U     |
|                   | ≤60.3              | 2.9–14.2                 | 2                                    | 29                        | 1,000 mm (LS)          | EI 90 C/U      |
|                   | ≤88.9              | 3.2–14.2                 | 2                                    | 30.5                      | 1,000 mm (LS)          | EI 90 C/U      |
| Copper            | ≤10                | 1.0–5.0                  | 2                                    | 12.5                      | 1,000 mm (LS)          | EI 120 C/U     |
|                   | ≤22                | 1.0–11                   | 2                                    | 18                        | 1,000 mm (LS)          | EI 120 C/U     |
|                   | ≤54                | 1.5–14.2                 | 2                                    | 28.5                      | 1,000 mm (LS)          | EI 90 C/U      |

Copper and steel pipes with Armaflex Ultima and HENSOTHERM® 7 KS Gewebe 125

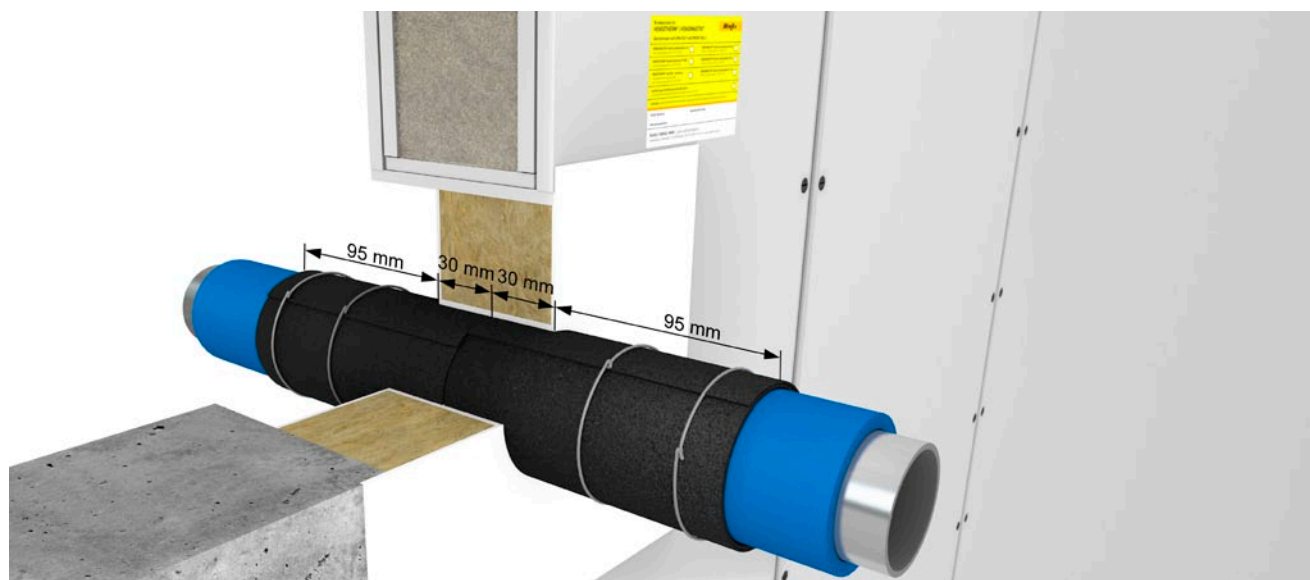
| Pipes          | Pipe diameter [mm] | Pipe wall thickness [mm] | Layers of HENSOTHERM® 7KS Gewebe 125 | Insulation thickness [mm] | Insulation length [mm] | Classification |
|----------------|--------------------|--------------------------|--------------------------------------|---------------------------|------------------------|----------------|
| Copper / Steel | ≤15                | 1.0–14.2                 | 2                                    | 13                        | 1,000 mm (LS)          | EI 120 U/C     |
|                | >15 ≤54            | 1.5–14.2                 | 2                                    | 25                        | 1,000 mm (LS)          | EI 120 U/C     |
|                | ≤15                | 1.0–14.2                 | 2                                    | 13                        | (CS)                   | EI 90 U/C      |
|                | >15 ≤54            | 1.5–14.2                 | 2                                    | 25                        | (CS)                   | EI 90 U/C      |
| Steel          | 54                 | 1.5–14.2                 | 2                                    | 25                        | (CS)                   | EI 120 U/C     |
|                | >54 ≤88.9          | 3.2–14.2                 | 2                                    | 25                        | 1,000 mm (LS)          | EI 120 U/C     |
|                | >54 ≤88.9          | 3.2–14.2                 | 2                                    | 25                        | (CS)                   | EI 120 U/C     |

Copper and steel pipes with Armaflex LS and HENSOTHERM® 7 KS Gewebe 125

| Pipes          | Pipe diameter [mm] | Pipe wall thickness [mm] | Layers of HENSOTHERM® 7KS Gewebe 125 | Insulation thickness [mm] | Insulation length [mm] | Classification |
|----------------|--------------------|--------------------------|--------------------------------------|---------------------------|------------------------|----------------|
| Copper / Steel | ≤15                | 1.0–14.2                 | 2                                    | 13                        | 1,000 mm (LS)          | EI 90 U/C      |
|                | ≥15 ≤54            | 1.5–14.2                 | 2                                    | 25                        | 1,000 mm (LS)          | EI 90 U/C      |
|                | 54                 | 1.5–14.2                 | 2                                    | 25                        | 1,000 mm (LS)          | EI 120 U/C     |
|                | ≤15                | 1.0–14.2                 | 2                                    | 13                        | (CS)                   | EI 120 U/C     |
|                | >15 ≤54            | 1.5–14.2                 | 2                                    | 25                        | (CS)                   | EI 120 U/C     |
| Steel          | >54 ≤88.9          | 3.2–14.2                 | 2                                    | 25                        | 1,000 mm (LS)          | EI 120 U/C     |
|                | >54 ≤88.9          | 3.2–14.2                 | 2                                    | 25                        | (CS)                   | EI 120 U/C     |

Copper and steel pipes with Kaiflex KK plus and HENSOTHERM® 7 KS Gewebe 125

| Pipes          | Pipe diameter [mm] | Pipe wall thickness [mm] | Layers of HENSOTHERM® 7KS Gewebe 125 | Insulation thickness [mm] | Insulation length [mm] | Classification |
|----------------|--------------------|--------------------------|--------------------------------------|---------------------------|------------------------|----------------|
| Copper / Steel | ≤15                | 1.0–14.2                 | 2                                    | 11                        | 1,000 mm (LS)          | EI 90 U/C      |
|                | ≥15 <54            | 1.0–14.2                 | 2                                    | 21                        | 1,000 mm (LS)          |                |
|                | 54                 | 1.5–14.2                 | 2                                    | 21                        | 1,000 mm (LS)          | EI 60 U/C      |
|                | ≤15                | 1.0–14.2                 | 2                                    | 11                        | (CS)                   | EI 90 U/C      |
|                | >15 <54            | 1.0–14.2                 | 2                                    | 21                        | (CS)                   |                |
| Steel          | 88.9               | 3.2–14.2                 | 2                                    | 21                        | 1,000 mm (LS)          | EI 90 U/C      |
|                | >54 ≤88.9          | 3.2–14.2                 | 2                                    | 21                        | (CS)                   | EI 90 U/C      |
|                | 88.9               | 3.2–14.2                 | 2                                    | 21                        | (CS)                   | EI 120 U/C     |




Installation in lightweight and solid walls EI 60

Copper and steel pipes with Armaflex AF and HENSOTHERM® 7 KS Gewebe 125

| Pipes             | Pipe diameter [mm] | Pipe wall thickness [mm] | Layers of HENSOTHERM® 7KS Gewebe 125 | Insulation thickness [mm] | Insulation length [mm] | Classification |
|-------------------|--------------------|--------------------------|--------------------------------------|---------------------------|------------------------|----------------|
| Copper            | ≤10                | 1.0–5.0                  | 1                                    | 11                        | 1,000 mm (LS)          | EI 90 C/U      |
|                   | ≤22                | 1.0–11                   | 1                                    | 18                        | 1,000 mm (LS)          |                |
|                   | ≤54                | 1.5–14.2                 | 1                                    | 21                        | 1,000 mm (LS)          |                |
| Steel / Cast iron | ≤10                | 1.0–5.0                  | 1                                    | 11                        | 1,000 mm (LS)          | EI 90 C/U      |
|                   | ≤22                | 1.0–11                   | 1                                    | 18                        | 1,000 mm (LS)          | EI 60 C/U      |
|                   | ≤54                | 1.5–14.2                 | 1                                    | 21                        | 1,000 mm (LS)          | EI 90 C/U      |
|                   | ≤60.3              | 2.9–14.2                 | 1                                    | 29                        | 1,000 mm (LS)          | EI 90 C/U      |
|                   | ≤88.9              | 3.2–14.2                 | 1                                    | 30.5                      | 1,000 mm (LS)          | EI 60 C/U      |

Copper and steel pipes with Kaiflex ST and HENSOTHERM® 7 KS Gewebe 125

| Pipes             | Pipe diameter [mm] | Pipe wall thickness [mm] | Layers of HENSOTHERM® 7KS Gewebe 125 | Insulation thickness [mm] | Insulation length [mm] | Classification |
|-------------------|--------------------|--------------------------|--------------------------------------|---------------------------|------------------------|----------------|
| Copper            | ≤10                | 1.0–5.0                  | 1                                    | 9                         | 1,000 mm (LS)          | EI 60 C/U      |
|                   | ≤22                | 1.0–11                   | 1                                    | 9                         | 1,000 mm (LS)          |                |
|                   | ≤54                | 1.5–14.2                 | 1                                    | 19                        | 1,000 mm (LS)          |                |
| Steel / Cast iron | ≤10                | 1.0–5.0                  | 1                                    | 9                         | 1,000 mm (LS)          | EI 60 C/U      |
|                   | ≤22                | 1.0–11                   | 1                                    | 9                         | 1,000 mm (LS)          |                |
|                   | ≤54                | 1.5–14.2                 | 1                                    | 19                        | 1,000 mm (LS)          |                |
|                   | ≤60.3              | 2.9–14.2                 | 1                                    | 25                        | 1,000 mm (LS)          |                |


Copper and steel pipes with Armaflex Ultima and HENSOTHERM® 7 KS Gewebe 125 

| Pipes             | Pipe diameter [mm] | Pipe wall thickness [mm] | Layers of HENSOTHERM® 7KS Gewebe 125 | Insulation thickness [mm] | Insulation length [mm] | Classification |
|-------------------|--------------------|--------------------------|--------------------------------------|---------------------------|------------------------|----------------|
| Copper            | ≤15                | 1.0–14.2                 | 1                                    | 13–25                     | 1,000 mm (LS)          | EI 90 U/C      |
|                   | ≤15                | 1.0–14.2                 | 1                                    | 13–25                     | (CS)                   |                |
|                   | >15 ≤54            | 1.5–14.2                 | 1                                    | 25                        | 1,000 mm (LS)          | EI 90 U/C      |
|                   | >15 ≤54            | 1.5–14.2                 | 1                                    | 25                        | (CS)                   | EI 60 U/C      |
| Steel / Cast iron | >54 ≤88.9          | 3.2–14.2                 | 1                                    | 25                        | 1,000 mm (LS)          | EI 60 U/C      |
|                   | >54 ≤88.9          | 3.2–14.2                 | 1                                    | 25                        | (CS)                   | EI 60 U/C      |

: Isolation tested positive in the HENSOMASTIK® Mixed Penetration Seal EI30 / EI60. Applied for ETA.

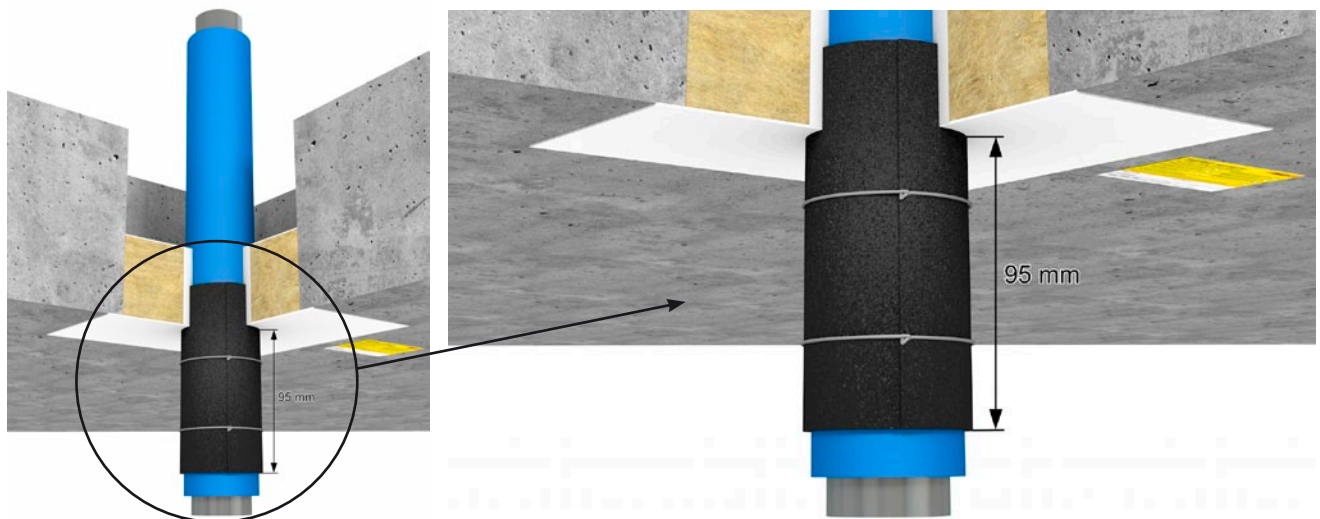
Copper and steel pipes with Armaflex LS and HENSOTHERM® 7 KS Gewebe 125

| Pipes             | Pipe diameter [mm] | Pipe wall thickness [mm] | Layers of HENSOTHERM® 7KS Gewebe 125 | Insulation thickness [mm] | Insulation length [mm] | Classification |
|-------------------|--------------------|--------------------------|--------------------------------------|---------------------------|------------------------|----------------|
| Copper            | ≤15                | 1.0–14.2                 | 1                                    | 13–25                     | 1,000 mm (LS)          | EI 60 U/C      |
|                   | >15 ≤54            | 1.5–14.2                 | 1                                    | 25                        | 1,000 mm (LS)          | EI 60 U/C      |
|                   | ≤15                | 1.0–14.2                 | 1                                    | 13–25                     | (CS)                   | EI 60 U/C      |
|                   | >15 ≤54            | 1.5–14.2                 | 1                                    | 25                        | (CS)                   | EI 60 U/C      |
| Steel / Cast iron | >54 ≤88.9          | 3.2–14.2                 | 1                                    | 25                        | 1,000 mm (LS)          | EI 60 U/C      |
|                   | >54 ≤88.9          | 3.2–14.2                 | 1                                    | 25                        | (CS)                   | EI 60 U/C      |
|                   | 88.9               | 3.2–14.2                 | 1                                    | 25                        | (CS)                   | EI 90 U/C      |

Copper and steel pipes with Kaiflex KK plus and HENSOTHERM® 7 KS Gewebe 125 

| Pipes             | Pipe diameter [mm] | Pipe wall thickness [mm] | Layers of HENSOTHERM® 7KS Gewebe 125 | Insulation thickness [mm] | Insulation length [mm] | Classification |
|-------------------|--------------------|--------------------------|--------------------------------------|---------------------------|------------------------|----------------|
| Copper            | 15                 | 1.0–14.2                 | 1                                    | 11                        | 1,000 mm (LS)          | EI 90 U/C      |
|                   | 15                 | 1.0–14.2                 | 1                                    | 11                        | (CS)                   | EI 60 U/C      |
|                   | ≥15 ≤54            | 1.5–14.2                 | 1                                    | 21                        | 1,000 mm (LS)          | EI 60 U/C      |
| Steel / Cast iron | >54 ≤88.9          | 3.2–14.2                 | 1                                    | 28.5                      | 1,000 mm (LS)          | EI 60 U/C      |
|                   | >54 ≤88.9          | 3.2–14.2                 | 1                                    | 28.5                      | (CS)                   | EI 60 U/C      |

: Isolation tested positive in the HENSOMASTIK® Mixed Penetration Seal EI30 / EI60. Applied for ETA.



### Installation in rigid floors EI60

#### Copper and steel pipes with Armaflex AF and HENSOTHERM® 7 KS Gewebe 125

| Pipes             | Pipe diameter [mm] | Pipe wall thickness [mm] | Layers of HENSOTHERM® 7KS Gewebe 125 | Insulation thickness [mm] | Insulation length [mm] | Classification |
|-------------------|--------------------|--------------------------|--------------------------------------|---------------------------|------------------------|----------------|
| Copper            | ≤10                | 1.0–5.0                  | 1                                    | 11                        | 1,000 mm (LS)          | EI 60 C/U      |
|                   | ≤22                | 1.0–11                   | 1                                    | 18                        | 1,000 mm (LS)          |                |
|                   | ≤54                | 1.5–14.2                 | 1                                    | 21                        | 1,000 mm (LS)          |                |
| Steel / Cast iron | ≤10                | 1.0–5.0                  | 1                                    | 11                        | 1,000 mm (LS)          | EI 60 C/U      |
|                   | ≤22                | 1.0–11                   | 1                                    | 18                        | 1,000 mm (LS)          |                |
|                   | ≤54                | 1.5–14.2                 | 1                                    | 21                        | 1,000 mm (LS)          |                |
|                   | ≤60.3              | 2.9–14.2                 | 1                                    | 29                        | 1,000 mm (LS)          |                |

#### Copper and steel pipes with Kaiflex ST and HENSOTHERM® 7 KS Gewebe 125



| Pipes             | Pipe diameter [mm] | Pipe wall thickness [mm] | Layers of HENSOTHERM® 7KS Gewebe 125 | Insulation thickness [mm] | Insulation length [mm] | Classification |
|-------------------|--------------------|--------------------------|--------------------------------------|---------------------------|------------------------|----------------|
| Copper            | ≤10                | 1.0–5.0                  | 1                                    | 9                         | 1,000 mm (LS)          | EI 60 C/U      |
|                   | ≤22                | 1.0–11                   | 1                                    | 9                         | 1,000 mm (LS)          |                |
|                   | ≤54                | 1.5–14.2                 | 1                                    | 19                        | 1,000 mm (LS)          |                |
| Steel / Cast iron | ≤10                | 1.0–5.0                  | 1                                    | 9                         | 1,000 mm (LS)          | EI 60 C/U      |
|                   | ≤22                | 1.0–11                   | 1                                    | 9                         | 1,000 mm (LS)          |                |
|                   | ≤54                | 1.5–14.2                 | 1                                    | 19                        | 1,000 mm (LS)          |                |
|                   | ≤60.3              | 2.9–14.2                 | 1                                    | 25                        | 1,000 mm (LS)          |                |
|                   | ≤88.9              | 3.2–14.2                 | 1                                    | 30.5                      | 1,000 mm (LS)          |                |

#### Copper and steel pipes with Armaflex Ultima and HENSOTHERM® 7 KS Gewebe 125

| Pipes             | Pipe diameter [mm] | Pipe wall thickness [mm] | Layers of HENSOTHERM® 7KS Gewebe 125 | Insulation thickness [mm] | Insulation length [mm] | Classification |
|-------------------|--------------------|--------------------------|--------------------------------------|---------------------------|------------------------|----------------|
| Copper            | ≤15                | 1.0–14.2                 | 1                                    | 13                        | 1,000 mm (LS)          | EI 60 U/C      |
|                   | >15 ≤54            | 1.5–14.2                 | 1                                    | 25                        | 1,000 mm (LS)          | EI 60 U/C      |
|                   | ≤15                | 1.0–14.2                 | 1                                    | 13                        | (CS)                   | EI 60 U/C      |
| Steel / Cast iron | >54 ≤88.9          | 3.2–14.2                 | 1                                    | 25                        | 1,000 mm (LS)          | EI 60 U/C      |
|                   | >54 ≤88.9          | 3.2–14.2                 | 1                                    | 25                        | (CS)                   | EI 60 U/C      |

**Copper and steel pipes with Armaflex LS and HENSOTHERM® 7 KS Gewebe 125**

| Pipes             | Pipe diameter [mm] | Pipe wall thickness [mm] | Layers of HENSOTHERM® 7KS Gewebe 125 | Insulation thickness [mm] | Insulation length [mm] | Classification |
|-------------------|--------------------|--------------------------|--------------------------------------|---------------------------|------------------------|----------------|
| Copper            | ≥ 15 ≤ 54          | 1.5 – 14.2               | 1                                    | 25                        | 1,000 mm (LS)          | EI 60 U/C      |
|                   | 54                 | 1.5 – 14.2               | 1                                    | 25                        | 1,000 mm (LS)          |                |
|                   | ≤ 15               | 1.0 – 14.2               | 1                                    | 13                        | (CS)                   |                |
|                   | > 15 ≤ 54          | 1.5 – 14.2               | 1                                    | 25                        | (CS)                   |                |
| Steel / Cast iron | > 54 ≤ 88.9        | 3.2 – 14.2               | 1                                    | 25                        | 1,000 mm (LS)          |                |
|                   | > 54 ≤ 88.9        | 3.2 – 14.2               | 1                                    | 25                        | (CS)                   |                |

**Copper and steel pipes with Kaiflex KK plus and HENSOTHERM® 7 KS Gewebe 125**  

| Pipes             | Pipe diameter [mm] | Pipe wall thickness [mm] | Layers of HENSOTHERM® 7KS Gewebe 125 | Insulation thickness [mm] | Insulation length [mm] | Classification |
|-------------------|--------------------|--------------------------|--------------------------------------|---------------------------|------------------------|----------------|
| Copper            | ≤ 15               | 1.0 – 14.2               | 1                                    | 11                        | 1,000 mm (LS)          | EI 60 U/C      |
|                   | ≤ 15               | 1.0 – 14.2               | 1                                    | 11                        | (CS)                   | EI 60 U/C      |
|                   | > 15 < 54          | 1.0 – 14.2               | 1                                    | 21                        | (LS)                   | EI 60 U/C      |
| Steel / Cast iron | > 54 ≤ 88.9        | 3.2 – 14.2               | 1                                    | 21                        | 1,000 mm (LS)          | EI 60 U/C      |

 : Isolation tested positive in the HENSOMASTIK® Mixed Penetration Seal EI30 / EI60. Applied for ETA.

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