

IT

# DICHIARAZIONE DI PRESTAZIONE

Conformemente all'Allegato III al Regolamento (EU) n. 305/2011 (Regolamento sui Prodotti da Costruzione)

# Wrap antifuoco CFS-W

N. Hilti CFS-W "0843-CPD-0103"

### 1. Codice di identificazione unico del prodotto-tipo:

Wrap antifuoco CFS-W

### 2. Uso previsto:

Prodotto antifuoco e sigillante per tamponamenti, vedere ETA - 10/0405 (28.06.2018)

Aperture per tubi	Tubi di plastica non isolati
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### 3. Fabbricante:

HILTI Corporation, Feldkircherstrasse 100, 9494 Schaan, Principato del Liechtenstein

**4. Sistemi di VVCP:** Sistema 1

### 5. Documento per la valutazione europea:

EAD 350454-00-1104 "Prodotti tagliafuoco e sigillanti dal fuoco – Tamponamenti" Valutazione tecnica europea: ETA-10/0405 (28.06.2018) **Organismo di valutazione tecnica:** OIB Austrian Institute of Construction Engineering **Organismo/i notificato/i:** MPA Braunschweig, N. 0761

### 6. Prestazione dichiarata:

Caratteristiche essenziali	Prestazioni dichiarate / specifica tecnica armonizzata
Reazione al fuoco	Classe E secondo EN 13501-1
Resistenza al fuoco	Prestazioni per resistenza al fuoco e campo di applicazione conformemente alla norma EN 13501-2. Vedere allegato
Durata e servizio	Y <sub>2</sub> , secondo EAD350454-00-1104. Vedere allegato.

La prestazione del prodotto sopra identificato è conforme all'insieme delle prestazioni dichiarate. La presente dichiarazione di responsabilità viene emessa, in conformità al regolamento (UE) n. 305/2011, sotto la sola responsabilità del fabbricante sopra identificato.

Firmato a nome e per conto del fabbricante da:

Jingyan Zhou Product Manager Business Unit Fire Protection Hilti Corporation

Martin Althof Direttore della Qualità Business Unit Fire Protection Hilti Corporation

# Intended use

"Hilti Firestop Wrap CFS-W" is intended to be used as a pipe penetration seal around plastic pipes to temporarily or permanently reinstate the fire resistance performance of wall and floor constructions, where they have been provided with apertures for the penetration of plastic pipes.

The maximum opening size of the penetration seal is related to a maximum pipe diameter of 160 mm with an annular gap of up to 9,5 mm. For more details regarding the maximum opening size, see Annex C of the ETA.

"Hilti Firestop Wrap CFS-W" can be installed only in the types of separating elements as specified in the following table.

Separating element	Construction
Flexible walls	<ul> <li>Steel studs or timber studs lined on both faces with minimum 2 layers of boards (minimum thickness 12,5 mm) according to EN 520 type F</li> <li>For steel stud walls the space between lining must not be completely filled with insulation material, especially in the adjacent area of the penetration seal</li> <li>For timber studs walls there must be a minimum distance of 100 mm of the penetration seal to any timber stud. The cavity between the penetration seal and stud has to be closed with minimum of 100 mm of insulation with classification A1 or A2 according to EN 13501-1</li> <li>Minimum thickness 100 mm</li> </ul>
Rigid walls	<ul> <li>&gt; Aerated concrete, concrete, masonry</li> <li>&gt; Minimum density 650 kg/m<sup>3</sup> (wall type A)</li> <li>&gt; Minimum thickness dependent on specific application according to Annex C of the ETA</li> <li>&gt; The rigid wall shall be classified in accordance with EN 13501-2 for the required fire resistance period</li> </ul>
Rigid walls	<ul> <li>Concrete, concrete, masonry</li> <li>Minimum density 1100 kg/m<sup>3</sup> (wall type B)</li> <li>Minimum thickness dependent on specific application according to Annex C of the ETA</li> <li>The rigid wall shall be classified in accordance with EN 13501-2 for the required fire resistance period</li> </ul>
Rigid floors	<ul> <li>Concrete</li> <li>Minimum density 2400 kg/m³ (floor type A) or 550 kg/m³ (floor type B)</li> <li>Minimum thickness dependent on specific application according to Annex C of the ETA</li> <li>The rigid floor shall be classified in accordance with EN 13501-2 for the required fire resistance period</li> </ul>

This European Technical Assessment does not cover sandwich panel constructions.

"Hilti Firestop Wrap CFS-W" can only be used as penetration seal for single plastic pipes. Further details are given in Annex C of the ETA. Other parts or service support constructions shall not penetrate the penetration seal.

The first support of the pipes shall be located at maximum 260 mm away from both faces of wall constructions and maximum 300 mm from the upper face of floor constructions, for details see Annex C of the ETA.

# Abbreviations used in drawings

Abbreviation	Description
A <sub>1</sub>	Hilti Firestop Wrap CFS-W
A <sub>2</sub>	Annular gap seal with Hilti Firestop Acrylic Sealant CFS-S ACR
A <sub>3</sub>	Annular gap seal with cementitious mortar
В	Backfilling material (mineral wool)
С	Plastic Pipe
dc	Pipe diameter (nominal outside diameter)
E	Building element (wall, floor)
S <sub>1</sub>	Minimum distance between single penetration seals
t <sub>A2</sub>	Thickness of Hilti Firestop Acrylic Sealant CFS-S ACR
tc	Pipe wall thickness
tE	Thickness of the building element

### RESISTANCE TO FIRE CLASSIFICATION OF PENETRATION SEALS MADE OF HILTI FIRESTOP WRAP CFS-W



		Penetrating s	services	
	•	•	3, EN ISO 1452 and DIN wall (width of annular ga	
Pipe diameter d <sub>c</sub> (mm)	Pipe wall thickness t₀ (mm)	Type of CFS-W (A <sub>1</sub> )	Size (CFS-W SG) / No. of layers (CFS-W EL)	Classification
50	2,2 - 3,6	CFS-W SG	50/1.5"	EI 120-U/C
63	2,2 - 3,6	CFS-W SG	63/2"	EI 120-U/C
75	2,2 - 3,6	CFS-W SG	75/2.5"	EI 120-U/C
≤ 75	2,2 - 3,6	CFS-W EL	1	EI 120-U/C
90	3,7 - 6,0	CFS-W SG	90/3"	EI 90-U/C
110	3,7 - 6,0	CFS-W SG	110/4"	EI 90-U/C
125	3,7 - 6,0	CFS-W SG	125/5"	EI 90-U/C
>75 ≤ 125	3,7 - 6,0	CFS-W EL	2	EI 90-U/C
160	2,5 - 11,8	CFS-W SG	160/6"	EI 60-U/C
> 125 ≤ 160	2,5 – 11,8	CFS-W EL	3	EI 60-U/C
160	11,8	CFS-W SG	160/6"	EI 90-U/C
160	11,8	CFS-W EL	3	EI 90-U/C
The results are als	so valid for PV	C-C pipes accordir	ng to EN 1566-1 <sup>3</sup> and PV	C-U pipes according

EN 1329-14 and EN 1453-14.

# C.1.2 PE pipes according to EN ISO 15494 and DIN 8074/8075

Distance between wrap and penetration seal edge in wall (width of annular gap): ≤ 9,5 mm.

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Pipe diameter d₀ (mm)	Pipe wall thickness t <sub>c</sub> (mm)	Type of CFS-W (A <sub>1</sub> )	Size (CFS-W SG) / No. of layers (CFS-W EL)	Classification
50	1,9 – 6,8	CFS-W SG	50/1.5"	EI 120-U/C
63	1,9 – 6,8	CFS-W SG	63/2"	EI 120-U/C
75	1,9 – 6,8	CFS-W SG	75/2.5"	EI 120-U/C
≤ 75	1,9 – 6,8	CFS-W EL	1	EI 120-U/C
90	3,2-7,1	CFS-W SG	90/3"	EI 120-U/C
110	3,2-7,1	CFS-W SG	110/4"	EI 120-U/C
125	3,2-7,1	CFS-W SG	125/5"	EI 120-U/C
>75 ≤ 125	3,2 - 7,1	CFS-W EL	2	EI 120-U/C
160	4,0 - 9,1	CFS-W SG	160/6"	EI 60-U/C
> 125 ≤ 160	4,0 - 9,1	CFS-W EL	3	EI 60-U/C
160	9,1	CFS-W SG	160/6"	EI 90-U/C
160	9,1	CFS-W EL	3	EI 90-U/C

<sup>3</sup> It is recommended only to use gypsum plaster or cementitious mortar as annular gap seal for PVC-C pipes together with sound decoupling according to Annex B.5 of the ETA

<sup>4</sup> In Germany the pipes have additionally to comply with DIN 19531-10

	s according to wrap and pene		wall (width of annular ga	o): ≤ 4,5 mm.
Pipe diameter d₀ (mm)	Pipe wall thickness t <sub>c</sub> (mm)	Type of CFS-W (A <sub>1</sub> )	Size (CFS-W SG) / No. of layers (CFS-W EL)	Classification
50	3,0	CFS-W SG	50/1.5"	EI 120-U/C
63	3,0	CFS-W SG	63/2"	EI 120-U/C
75	3,0	CFS-W SG	75/2.5"	EI 120-U/C
≤ 75	3,0	CFS-W EL	1	EI 120-U/C
90	4,9	CFS-W SG	90/3"	EI 120-U/C
110	4,9	CFS-W SG	110/4"	EI 120-U/C
125	4,9	CFS-W SG	125/5"	EI 120-U/C
>75 ≤ 125	4,9	CFS-W EL	2	EI 120-U/C
The results are also	o valid for PE p	ipes according to E	EN 12201-2 and EN 1266	6-1.

# C.2 Rigid walls according to clause 2.1 of the ETA

Penetration seal - Single penetration:

- Hilti Firestop Wrap CFS-W on both sides (A1)

- Annular gap filled either with cementitious mortar (A<sub>3</sub>) over the entire thickness of the wall or with Hilti Firestop Acrylic Sealant CFS-S ACR (A<sub>2</sub>) with a depth of minimum 15 mm from the surface of the wall. The sealant may be backfilled with mineral wool (for suitable mineral wool products see Annex B.3 of the ETA). The maximum annular gap width is given in the tables below;
- Minimum distance between single penetration seals (s1): 200 mm;
- For further construction details see Annex C.1 of the ETA.

# C.2.1 Rigid walls type A according to clause 2.1 of the ETA (density $\geq$ 650 kg/m<sup>3</sup>), minimum wall thickness 150 mm

Penetrating services				
C.2.1.1 PVC-U pipes according to EN ISO 15493, EN ISO 1452 and DIN 8061/8062 Distance between wrap and penetration seal edge in wall (width of annular gap): ≤ 7,5 mm				
Pipe diameter d <sub>c</sub> (mm)	Pipe wall thickness t <sub>c</sub> (mm)	Type of CFS-W (A <sub>1</sub> )	Size (CFS-W SG) / No. of layers (CFS-W EL)	Classification
160	2,5 – 11,8	CFS-W SG	160/6"	EI 180-U/C
> 125 ≤ 160	2,5 – 11,8	CFS-W EL	3	EI 180-U/C
The results are also valid for PVC-C pipes according to EN 1566-1 <sup>3</sup> and PVC-U pipes according EN 1329-1 <sup>4</sup> and EN 1453-1 <sup>4</sup> .				

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In Germany the pipes have additionally to comply with DIN 19535-10.

C.2.1.2 PE pipes according to EN ISO 15494 and DIN 8074/8075 Distance between wrap and seal edge in wall (width of annular gap): ≤ 7,5 mm				
Pipe diameter d <sub>c</sub> (mm)	Pipe wall thickness t <sub>c</sub> (mm)	Type of CFS-W (A <sub>1</sub> )	Size (CFS-W SG) / No. of layers (CFS-W EL)	Classification
160	4,0 - 9,1	CFS-W SG	160/6"	EI 180-U/C
> 125 ≤ 160	4,0 - 9,1	CFS-W EL	3	EI 180-U/C
C.2.1.3 PE pipes according to EN 1519-1 <sup>5</sup> Distance between wrap and penetration seal edge in wall (width of annular gap): $\leq$ 7,5 mm				
Pipe diameter d₀ (mm)	Pipe wall thickness t <sub>c</sub> (mm)	Type of CFS-W (A <sub>1</sub> )	Size (CFS-W SG) / No. of layers (CFS-W EL)	Classification
160	6,2	CFS-W SG	160/6"	EI 180-U/C
> 125 ≤ 160	6,2	CFS-W EL	3	EI 180-U/C
The results are also valid for PE pipes according to EN 12201-2 and EN 12666-1.				

# C.2.2 Rigid walls type B according to clause 2.1 of the ETA (density ≥ 1100 kg/m³), minimum wall thickness 175 mm

Penetrating services				
C.2.2.1 PVC pipes according to EN ISO 15493, EN ISO 1452 and DIN 8061/8062 Distance between wrap and penetration seal edge in wall (width of annular gap): ≤ 8,5 mm				
Pipe diameter d₀ (mm)	Pipe wall thickness t <sub>c</sub> (mm)	Type of CFS-W (A <sub>1</sub> )	Size (CFS-W SG) / No. of layers (CFS-W EL)	Classification
≤ 32	1,8	CFS-W EL	1	EI 240-U/C
90	3,2	CFS-W SG	90/3"	EI 240-U/C
110	3,2	CFS-W SG	110/4"	EI 240-U/C
> 75 ≤ 110	3,2	CFS-W EL	2	EI 240-U/C
160	3,2 – 13,0	CFS-W SG	160/6"	EI 240-U/C
> 125 ≤ 160	3,2 – 13,0	CFS-W EL	3	EI 240-U/C
The results are als	so valid for PV	C-C pipes accordi	ng to EN 1566-1 <sup>3</sup> and PV	/C-U pipes according

EN 1329-14 and EN 1453-14.

C.2.2.2 PE pipes according to EN ISO 15494 and DIN 8074/8075 Distance between wrap and penetration seal edge in wall (width of annular gap): ≤ 8,5 mm				
Pipe diameter d₀ (mm)	Pipe wall thickness t <sub>c</sub> (mm)	Type of CFS-W (A <sub>1</sub> )	Size (CFS-W SG) / No. of layers (CFS-W EL)	Classification
≤ 32	1,8	CFS-W EL	1	EI 240-U/C
90	2,7	CFS-W SG	90/3"	EI 240-U/C
110	2,7	CFS-W SG	110/4"	EI 240-U/C
> 75 ≤ 110	2,7	CFS-W EL	2	EI 240-U/C
160	4,0 - 14,6	CFS-W SG	160/6"	EI 240-U/C
> 125 ≤ 160	4,0 - 14,6	CFS-W EL	3	EI 240-U/C

C.3 Rigid floors according to clause 2.1 of the ETA

Penetration seal - Single penetration:

- Hilti Firestop Wrap CFS-W (A1) on the underside of the floor;

- Annular gap filled either with cementitious mortar (A3) over the entire thickness of the floor or;

 with Hilti Firestop Acrylic Sealant CFS-S ACR (A<sub>2</sub>) with a depth (t<sub>A2</sub>) of minimum 15 mm from the surface of the floor. The gap behind the sealant is to be backfilled with mineral wool compressed to achieve minimum 60 kg/m<sup>3</sup> density. The maximum annular gap width is given in the tables below;

Minimum distance between single penetration seals (s<sub>1</sub>): 200 mm (see figure in Annex C.1 of the ETA).



# C.3.1 Rigid floor type A according to clause 2.1 of the ETA (density ≥ 2400 kg/m<sup>3</sup>), minimum floor thickness 150 mm

## Penetrating services

C.3.1.	PVC-U pipes according to EN ISO 15493, EN ISO 1452 and DIN 8061/8062
Distan	ce between wrap and penetration seal edge in floor (width of annular gap): $\leq$ 9,5 mm (Ø 90 –

125 mm) Distance between wrap and penetration seal edge in floor (width of annular gap):  $\leq$  1,5 mm (Ø > 125 mm)

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Pipe diameter d₀ (mm)	Pipe wall thickness t₀ (mm)	Type of CFS-W (A <sub>1</sub> )	Size (CFS-W SG) / No. of layers (CFS-W EL)	Classification
90	3,7 - 6,0	CFS-W SG	90/3"	EI 120-U/C
110	3,7 - 6,0	CFS-W SG	110/4"	EI 120-U/C
125	3,7 - 6,0	CFS-W SG	125/5"	EI 120-U/C
> 75 ≤ 125	3,7 - 6,0	CFS-W EL	2	EI 120-U/C
160	3,2-4,0	CFS-W SG	160/6"	EI 120-U/C
> 125 ≤ 160	3,2-4,0	CFS-W EL	3	EI 120-U/C
The results are also valid for PVC-C pipes according to EN 1566-13 and PVC-U pipes according				

EN 1329-14 and EN 1453-14.

#### C.3.1.2 PE pipes according to EN ISO 15494 and DIN 8074/8075 Distance between wrap and seal edge in floor (width of appular gap): < 9.5

Distance between wrap and seal edge in floor (width of annular gap):  $\leq$  9,5 mm

Pipe diameter d₀ (mm)	Pipe wall thickness t₀ (mm)	Type of CFS-W (A <sub>1</sub> )	Size (CFS-W SG) / No. of layers (CFS-W EL)	Classification
90	7,1	CFS-W SG	90/3"	EI 120-U/C
110	7,1	CFS-W SG	110/4"	EI 120-U/C
125	7,1	CFS-W SG	125/5"	EI 120-U/C
> 75 ≤ 125	7,1	CFS-W EL	2	EI 120-U/C

C.3.1.3 PE pipes according to EN 1519-1 <sup>5</sup> Distance between wrap and penetration seal edge in floor (width of annular gap): $\leq$ 3,5 mm					
Pipe diameter d <sub>c</sub> (mm)	Pipe wall thickness t₀ (mm)	Type of CFS-W (A <sub>1</sub> )	Size (CFS-W SG) / No. of layers (CFS-W EL)	Classification	
50	3,0	CFS-W SG	50/1.5"	EI 120-U/C	
63	3,0	CFS-W SG	63/2"	EI 120-U/C	
75	3,0	CFS-W SG	75/2.5"	EI 120-U/C	
≤ 75	3,0	CFS-W EL	1	EI 120-U/C	
90	4,8	CFS-W SG	90/3"	EI 120-U/C	
110	4,8	CFS-W SG	110/4"	EI 120-U/C	
125	4,8	CFS-W SG	125/5"	EI 120-U/C	
> 75 ≤ 125	4,8	CFS-W EL	2	EI 120-U/C	
160	6,2	CFS-W SG	160/6"	EI 120-U/C	
> 125 ≤ 160	6,2	CFS-W EL	3	EI 120-U/C	
The results are also valid for PE pipes according to EN 12201-2 and EN 12666-1.					

# Rigid floor type A according to clause 2.1 of the ETA (density $\geq$ 2400 kg/m<sup>3</sup>), minimum floor thickness 200 mm C.3.2

Penetrating services						
	C.3.2.1 PVC-U pipes according to EN ISO 15493, EN ISO 1452 and DIN 8061/8062 Distance between wrap and seal edge in floor (width of annular gap): ≤ 7,5 mm					
Pipe diameter d <sub>c</sub> (mm)	Pipe wall thickness t₀ (mm)	Type of CFS-W (A <sub>1</sub> )	Size (CFS-W SG) / No. of layers (CFS-W EL)	Classification		
≤ 32	1,8	CFS-W EL	1	EI 240-U/C		
50	2,2 - 3,6	CFS-W SG	50/1.5"	EI 180-U/C		
63	2,2 - 3,6	CFS-W SG	63/2"	EI 180-U/C		
75	2,2 - 3,6	CFS-W SG	75/2.5"	EI 180-U/C		
≤ 75	2,2 - 3,6	CFS-W EL	1	EI 180-U/C		
90	3,2	CFS-W SG	90/3"	EI 240-U/C		
90	3,2 - 6,0	CFS-W SG	90/3"	EI 180-U/C		
110	3,2	CFS-W SG	110/4"	EI 240-U/C		
110	3,2-6,0	CFS-W SG	110/4"	EI 180-U/C		
> 75 ≤ 110	3,2	CFS-W EL	2	EI 240-U/C		
125	3,7 - 6,0	CFS-W SG	125/5"	EI 180-U/C		
> 75 ≤ 125	3,7 - 6,0	CFS-W EL	2	EI 180-U/C		
160	2,5 – 3,2	CFS-W SG	160/6"	EI 60-U/C		
> 125 ≤ 160	2,5 – 3,2	CFS-W EL	3	EI 60-U/C		
160	3,2 – 11,8	CFS-W SG	160/6"	EI 120-U/C		
> 125 ≤ 160	3,2 – 11,8	CFS-W EL	3	EI 120-U/C		

160	11,8	CFS-W SG	160/6"	EI 180-U/C
> 125 ≤ 160	11,8	CFS-W EL	3	EI 180-U/C
160	11,8 – 13,0	CFS-W SG	160/6"	EI 120-U/C
> 125 ≤ 160	11,8 – 13,0	CFS-W EL	3	EI 120-U/C
The results are also valid for DVC C pipes according to EN 1566 13 and DVC U pipes according				

The results are also valid for PVC-C pipes according to EN 1566-1<sup>3</sup> and PVC-U pipes according EN 1329-1<sup>4</sup> and EN 1453-1<sup>4</sup>.

C.3.2.2 PE pipes according to EN ISO 15494 and DIN 8074/8075				
Distance between wrap and seal edge in floor (width of annular gap): ≤ 7,5 mm				
Pipe diameter d₀ (mm)	Pipe wall thickness t₀ (mm)	Type of CFS-W (A <sub>1</sub> )	Size (CFS-W SG) / No. of layers (CFS-W EL)	Classification
≤ 32	1,8	CFS-W EL	1	EI 240-U/C
50	1,9 – 6,8	CFS-W SG	50/1.5"	EI 180-U/C
63	1,9 – 6,8	CFS-W SG	63/2"	EI 180-U/C
75	1,9 – 6,8	CFS-W SG	75/2.5"	EI 180-U/C
≤ 75	1,9 – 6,8	CFS-W EL	1	EI 180-U/C
90	2,7	CFS-W SG	90/3"	EI 240-U/C
90	2,7 – 7,1	CFS-W SG	90/3"	EI 180-U/C
110	2,7	CFS-W SG	110/4"	EI 240-U/C
> 75 ≤ 110	2,7	CFS-W EL	2	EI 240-U/C
110	2,7 – 7,1	CFS-W SG	110/4"	EI 180-U/C
125	3,2 - 7,1	CFS-W SG	125/5"	EI 180-U/C
> 75 ≤ 125	3,2 - 7,1	CFS-W EL	2	EI 180-U/C
125	7,1	CFS-W SG	125/5"	EI 180-U/C
125	7,1	CFS-W EL	2	EI 180-U/C
160	4,0 – 14,6	CFS-W SG	160/6"	EI 180-U/C
> 125 ≤ 160	4,0 – 14,6	CFS-W EL	3	EI 180-U/C
160	14,6	CFS-W SG	160/6"	EI 240-U/C
> 125 ≤ 160	14,6	CFS-W EL	3	EI 240-U/C

C.3.3 Rigid floor type B according to clause 2.1 of the ETA (density ≥ 550 kg/m<sup>3</sup>), minimum floor thickness 150 mm

#### Penetrating services C.3.3.1 PVC-U pipes according to EN ISO 15493, EN ISO 1452 and DIN 8061/8062 Distance between wrap and seal edge in floor (width of annular gap): ≤ 9,5 mm Size (CFS-W SG) / Pipe wall Pipe diameter dc Type of CFS-W thickness to Classification No. of layers (mm) (A1) (mm) (CFS-W EL) 90 3,7-6,0 CFS-W SG 90/3" EI 120-U/C 3,7-6,0 CFS-W SG 110/4" EI 120-U/C 110 125/5" 125 CFS-W SG EI 120-U/C 3,7 - 6,0>75 ≤ 125 EI 120-U/C 3,7-6,0 CFS-W EL 2

160	4,0	CFS-W SG	160/6"	EI 120-U/C
>125 ≤ 160	4,0	CFS-W EL	3	EI 120-U/C
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The results are also valid for PVC-C pipes according to EN 1566-1<sup>3</sup> and PVC-U pipes according EN 1329-1<sup>4</sup> and EN 1453-1<sup>4</sup>.

C.3.3.2 PE pipes according to EN ISO 15494 and DIN 8074/8075					
Distance between	wrap and penet	tration seal edge in	floor (width of annular ga	p): ≤ 9,5 mm	
Pipe diameter d <sub>c</sub> Pipe wall (mm) Pipe wall thickness t <sub>c</sub> Type of CFS-W SG) / (A <sub>1</sub> ) No. of layers Classification					
00		CER MIRC	(CFS-W EL)	EI 120-U/C	
90	7,1	CFS-W SG	90/3"	EI 120-0/C	
110	7,1	CFS-W SG	110/4"	EI 120-U/C	
125	7,1	CFS-W SG	125/5"	EI 120-U/C	
> 75 ≤ 125	7,1	CFS-W EL	2	EI 120-U/C	