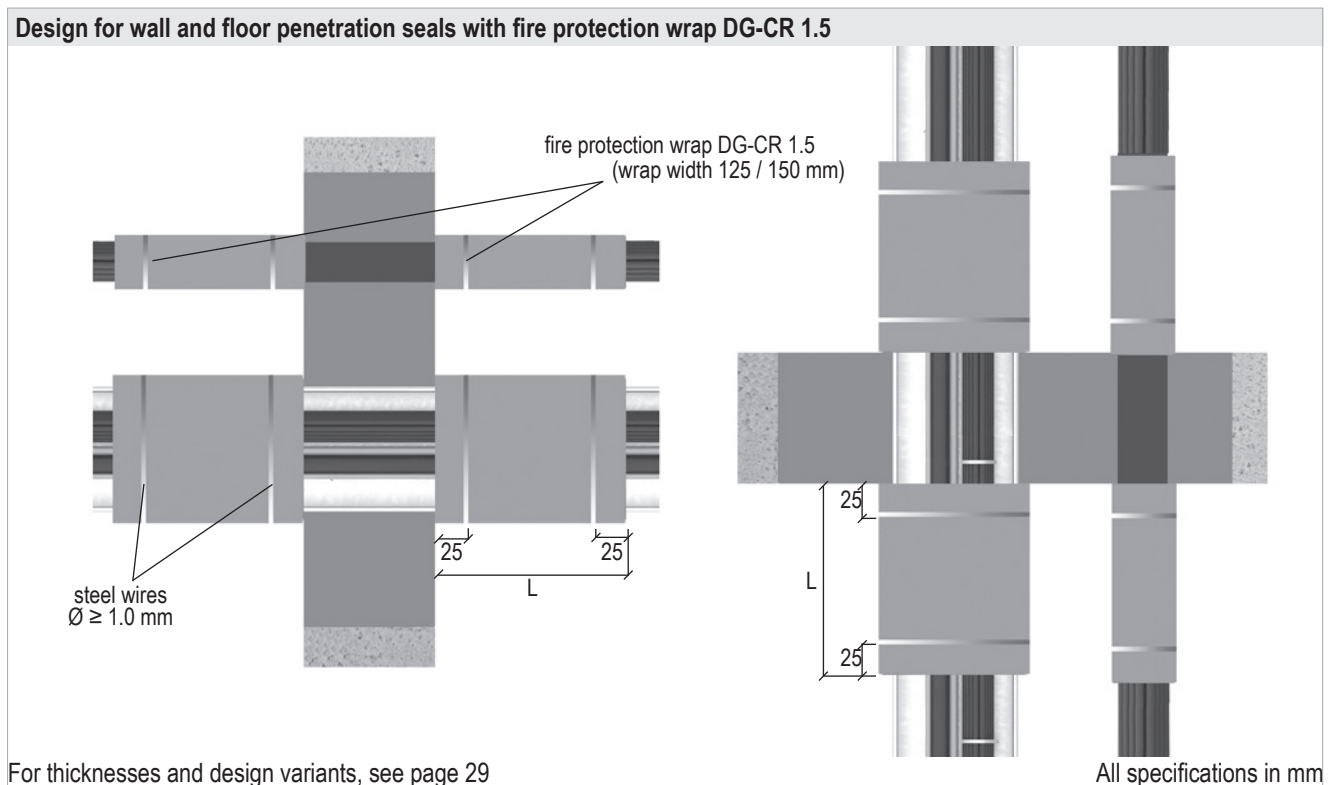


# Novasit BM

## 8.1.1 Design variant with fire protection wrap DG-CR 1.5

The fire protection wrap DG-CR 1.5 is coated on one side and equipped with a protective film. The film must be removed before applying the wrap. The wrap is applied with the coated side facing inwards and fastened with steel wires.

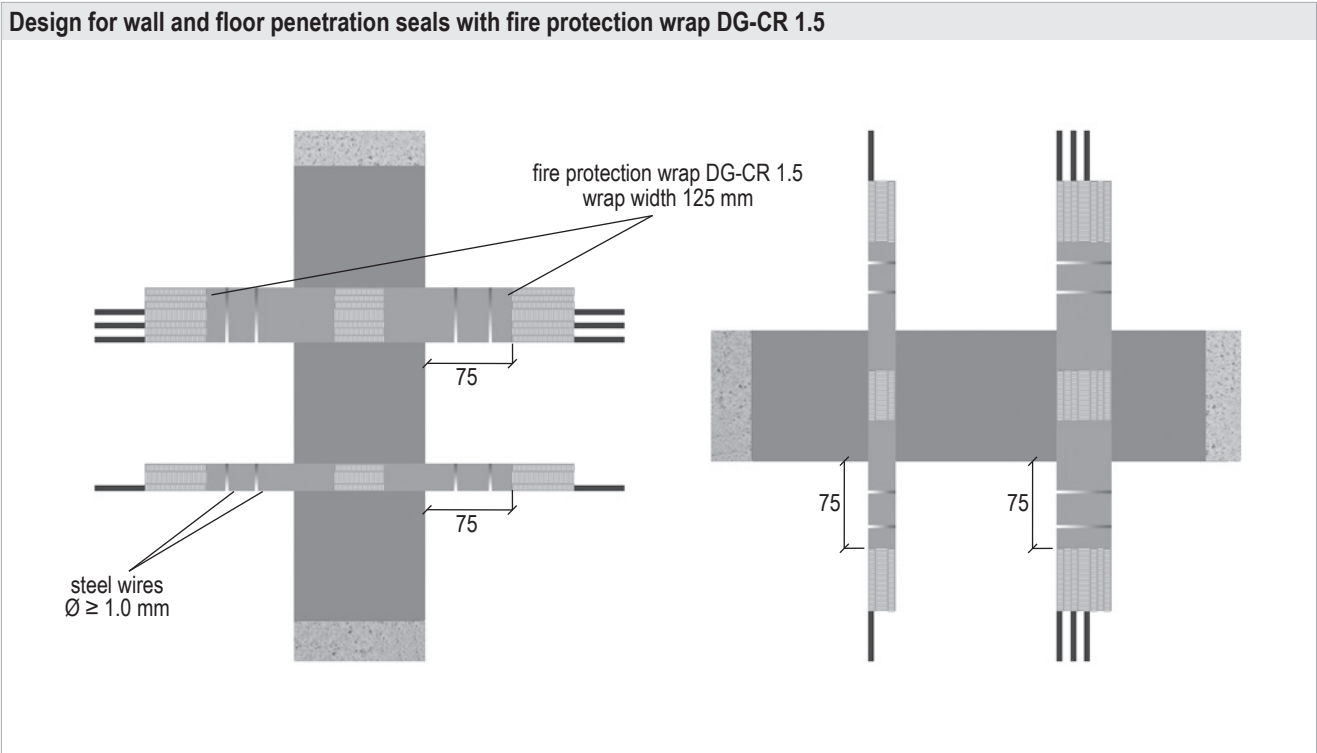


Service	Outer Ø [mm]	Fire protection wrap DG-CR 1.5						Fire resistance class	
		Wrap width [mm]	Number of wraps [n]	Number of layers [n]	Overlap [mm]	Inside seal [mm]	Outside seal [mm]	Wall	Floor
Cables	Ø ≤ 32	–	–	–	–	–	–	EI 120	EI 120
	Ø ≤ 50	125	2	2	45–60	0	125	EI 120	EI 120
	Ø ≤ 80							EI 90 / E 120	EI 120
		150					EI 120	EI 120	
Cable bundles	Ø ≤ 100	125					1		

# Novasit BM

## 8.2 Electrical installation conduits (EIC) – single or bundled

The fire protection wrap DG-CR 1.5 is coated on one side and equipped with a protective film. The film must be removed before applying the wrap. The wrap is applied with the coated side facing inwards and fastened with steel wires.



For thicknesses and design variants, see page 29

All specifications in mm

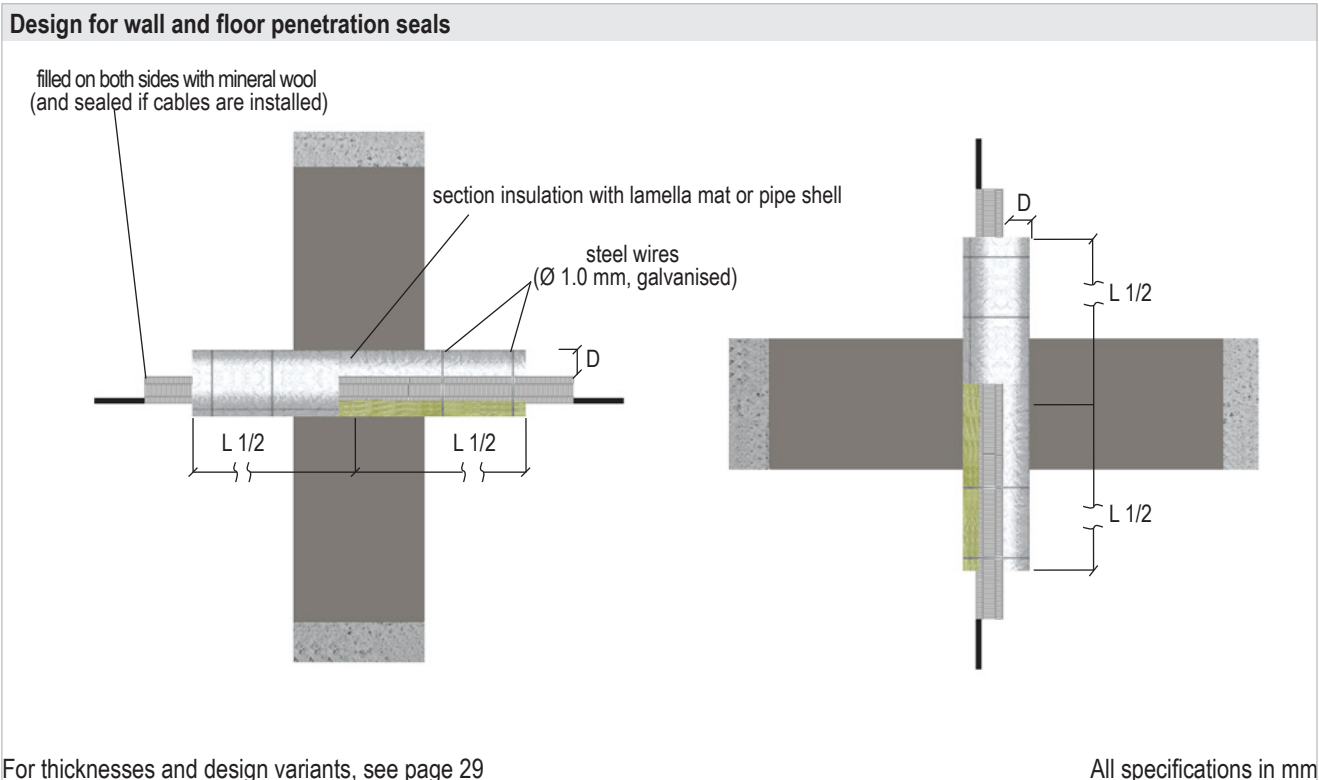
Service	Outer $\varnothing$ [mm]	Fire protection wrap DG-CR 1.5						Fire resistance class	
		Wrap width [mm]	Number of wraps [n]	Number of layers [n]	Overlap [mm]	Inside seal [mm]	Outside seal [mm]	Wall	Floor
EIC made of plastic, single	EIC $\varnothing \leq 32$ cables $\varnothing \leq 21$	125	2	1	0	50	75	EI 120 U/U	EI 120 U/U
	2								
EIC made of plastic, single*	EIC $\varnothing \leq 100$ cables $\varnothing \leq 50$			3					
EIR made of plastic, bundled	bundle $\varnothing \leq 100$ EIC $\varnothing \leq 32$ cables $\varnothing \leq 21$			2				EI 120 U/U	

\* with additional mineral fibre mat insulation (L1  $\geq 500$  mm  $\times$  D1  $\geq 30$  mm)

# Novasit BM

## 8.2.1 Design variant with mineral fibre mats

It is possible to install EIC with (cable  $\varnothing \leq 22.0$  mm) or without cables. The section insulation made of mineral wool must be fastened with tensioning straps or wires.

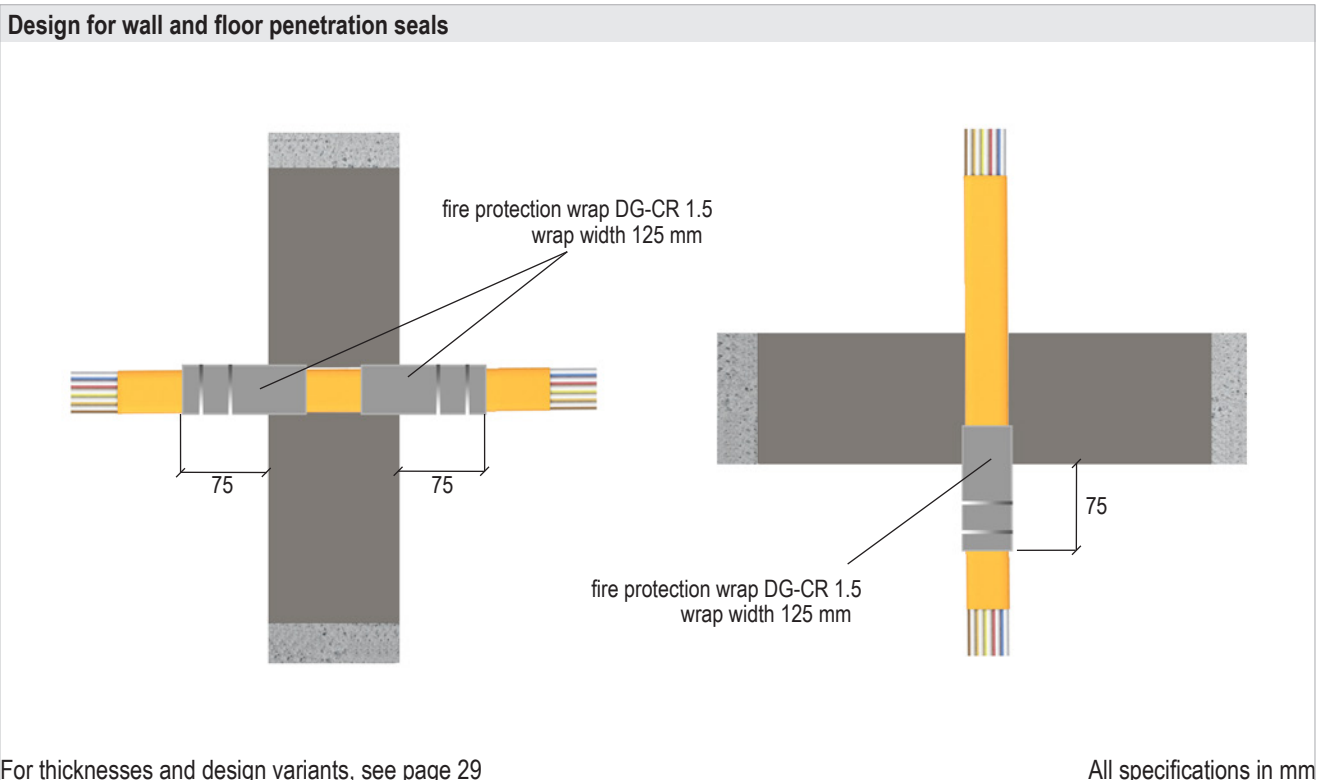


EIC material	EIC outer Ø [mm]	Section insulation		Fire resistance class	
		Thickness [mm]	Length L 1/2 [mm]	Wall	Floor
PE-HD	≤ 63	≥ 30	≥ 500	EI 120 U/C	EI 120 U/C

# Novasit BM

## 8.3 speedpipes (PE pipes for optical fibre cables and micro cables)

- The speedpipes must be arranged vertically to the surface of the building element (pipe end configuration U/U).
- The speedpipes must be wrapped on both sides with the fire protection wrap DG-CR 1.5 (wrap width 125 mm).
- The fire protection wrap must be arranged in such a way that 50 mm are inside the seal.
- The fire protection wrap is coated on one side and equipped with a protective film. The film must be removed before applying the wrap. The wrap is applied with the coated side facing inwards and fastened with steel wires.



Wall								
Configuration	Pipe wall thickness [mm]	Fire protection wrap DG-CR 1.5						Fire resistance class
		Wrap width [mm]	Number of wraps [n]	Number of layers [n]	Overlap [mm]	Inside seal [mm]	Outside seal [mm]	
Ø 7.0 mm × 24 pcs	≥ 1.5	125	2	1	0	50	75	EI 120 U/U
Ø 10.0 mm × 7 pcs	≥ 2.0							
Ø 12.0 mm × 5 pcs	≥ 2.0							

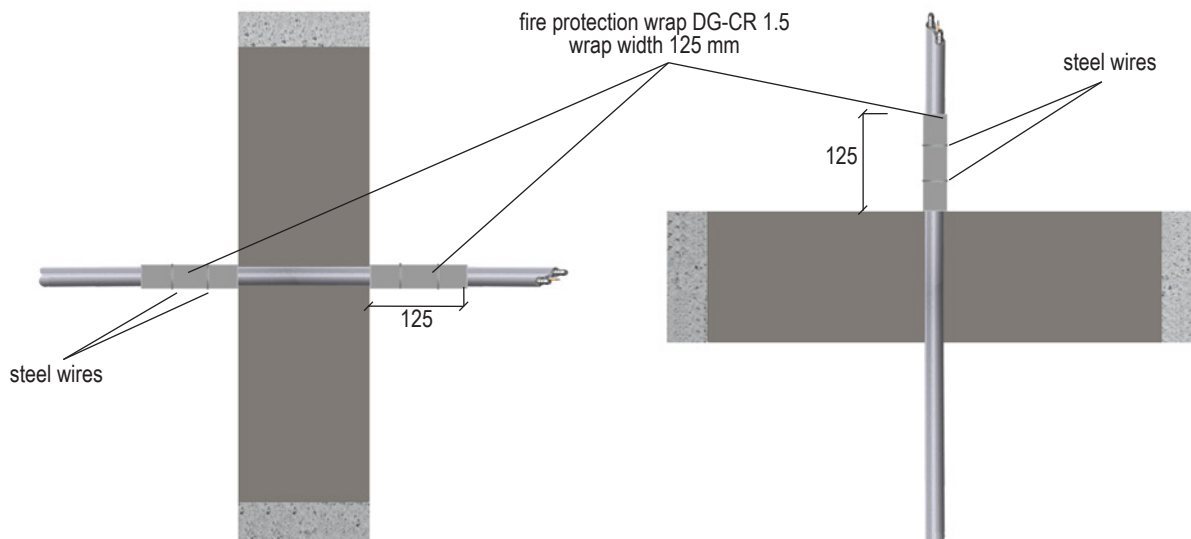
Floor								
Configuration	Pipe wall thickness [mm]	Fire protection wrap DG-CR 1.5						Fire resistance class
		Wrap width [mm]	Number of wraps [n]	Number of layers [n]	Overlap [mm]	Inside seal [mm]	Outside seal [mm]	
Ø 7.0 mm × 24 pcs	≥ 1.5	125	1	2	0	50	75	EI 120 U/U
Ø 10.0 mm × 7 pcs	≥ 2.0							
Ø 12.0 mm × 5 pcs	≥ 2.0							

# Novasit BM

## 8.8 Double solar pipes Nanosun<sup>2</sup>

- The double solar pipes must be installed at a right angle to the surface of the building element (pipe end configuration U/U).
- In walls the double solar pipes must be wrapped on both sides with the fire protection wrap DG-CR 1.5 (wrap width 125 mm). In floors the wrap must be applied on the upper side.
- The fire protection wrap DG-CR 1.5 is coated on one side and equipped with a protective film. The film must be removed before applying the wrap. The wrap is applied with the coated side facing inwards and fastened with steel wires.

### Design for wall and floor penetration seals



For thicknesses and design variants, see page 29

All specifications in mm

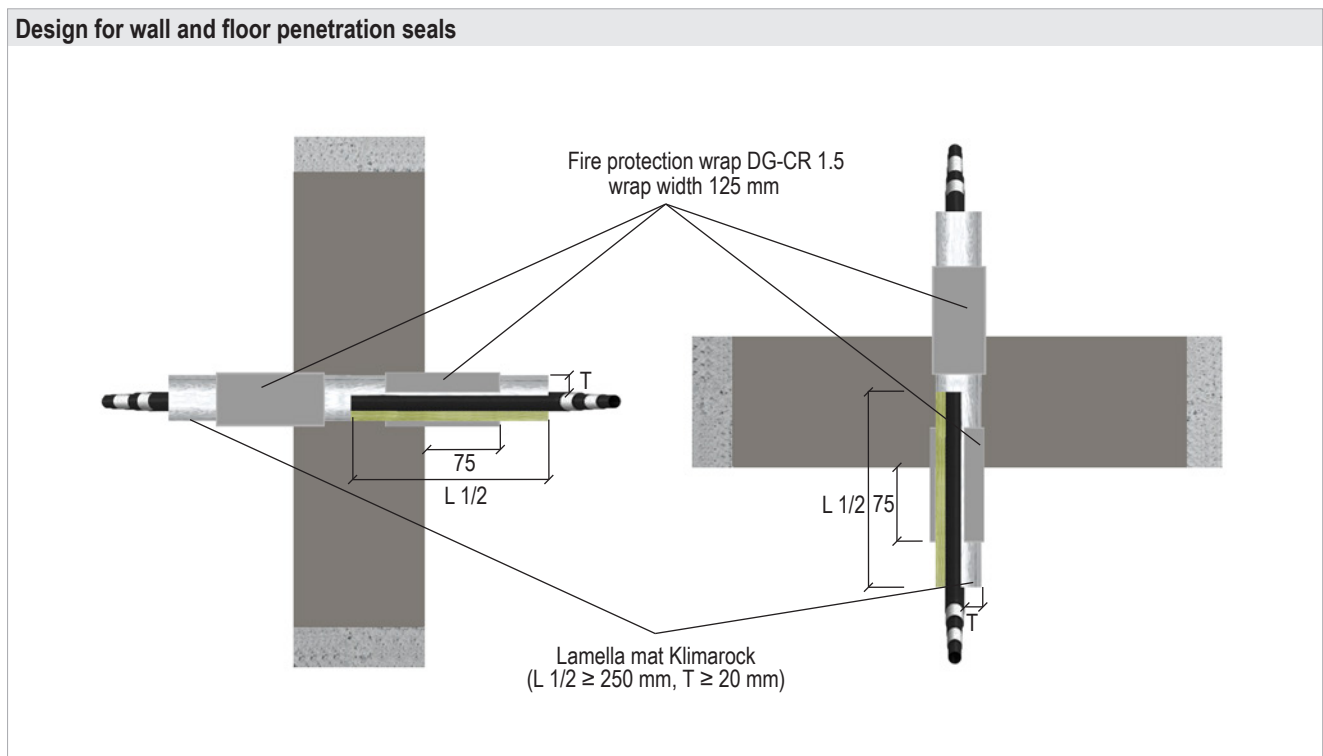
Wall							
Pipe outer Ø [mm]	Fire protection wrap DG-CR 1.5						Fire resistance class
	Wrap width [mm]	Number of wraps [n]	Number of layers [n]	Overlap [mm]	Inside seal [mm]	Outside seal [mm]	
DN 16 – DN 25	125	2	1	≥ 40	0	125	EI 120 C/U

Floor							
Pipe outer Ø [mm]	Fire protection wrap DG-CR 1.5						Fire resistance class
	Wrap width [mm]	Number of wraps [n]	Number of layers [n]	Overlap [mm]	Inside seal [mm]	Outside seal [mm]	
DN 16 – DN 25	125	1 (upper side)	1	≥ 40	0	125	EI 120 C/U

# Novasit BM

## 8.9 HANSA-FLEX AG hydraulic hoses with wire braid reinforcement

- The hoses must be installed at a right angle to the surface of the building element.
- The pipes must be wrapped with the lamella mat Klimarock in one layer centrally to the wall/floor axis in the seal ( $L/2 \geq 250$  mm,  $T \geq 20$  mm). The lamella mat must then be wrapped on each side with the fire protection wrap DG-CR 1.5 (wrap width 125 mm) with one layer without overlap.
- The fire protection wrap DG-CR 1.5 is coated on one side and equipped with a protective film. The film must be removed before applying the wrap. The wrap is applied with the coated side facing inwards and fastened with steel wires.
- The wrap (125 mm) must be applied in such a way that 50 mm are inside the seal.



For thicknesses and design variants, see page 29

All specifications in mm

Wall and floor									
Pipe outer Ø [mm]	Protective insulation with lamella mat Klimarock		Fire protection wrap DG-CR 1.5						Fire resistance class
	Length L/2 [mm]	Thickness T [mm]	Wrap width [mm]	Number of wraps [n]	Number of layers [n]	Overlap [mm]	Inside seal [mm]	Outside seal [mm]	
≤ 55.9	≥ 250 mm	≥ 20 mm	125	2	1	0	50	75	EI 120