

Annex A

Fire resistant classifications evaluated by this European Technical Assessment

Overview of the permitted fire-resistant designs with regards of resistance to fire:

Table 2.0 provides an overview of the classification of the joint systems arranged on one side in an aerated concrete floor, $t \geq 150$ mm:

	Joint width b [mm]	ISO-FLAME KOMBI F120 Insertion depth [mm]	Recommended classification
	4	$\geq 1 \times 40$	EI 180-H-X-F-W4 E 180-H-X-F-W4
	$5 \leq b \leq 14$	$\geq 1 \times 40$	EI 45-H-X-F-W5 to 14 E60-H-X-F-W5 to 14
	$15 \leq b \leq 20$	$\geq 1 \times 40$	EI 45-H-X-F-W 15 to 20 E 45-H-X-F-W 15 to 20
	$21 \leq b \leq 40^*$	$\geq 1 \times 50$	EI 30-H-X-F-W 21 to 40 E 30-H-X-F-W 21 to 40
	4	$\geq 1 \times 80$	EI 180-H-X-F-W4 E 180-H-X-F-W4
	$5 \leq b \leq 14$	$\geq 1 \times 80$	EI 120-H-X-F-W5 to 14 E 180-H-X-F-W5 to 14
	$15 \leq b \leq 20$	$\geq 1 \times 80$	EI 120-H-X-F-W15 to 20 E 120-H-X-F-W15 to 20
	$21 \leq b \leq 40$	$\geq 1 \times 100$	EI 120-H-X-F-W21 to 40 E 120-H-X-F-W21 to 40

*With silicone coating

Table 2.1 provides an overview of the classification of the joint systems arranged on both sides in an aerated concrete floor/wall, $t \geq 150$ mm:

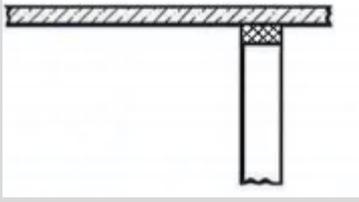
	Joint width b [mm]	ISO-FLAME KOMBI F120 Insertion depth [mm]	Recommended classification
	4	$\geq 2 \times 40$	EI 180-V-X-F-W4 E 180-V-X-F-W4
	$5 \leq b \leq 14$	$\geq 2 \times 40$	EI 45-V-X-F-W5 to 14 E60-V-X-F-W5 to 14
	$15 \leq b \leq 20$	$\geq 2 \times 40$	EI 45-V-X-F-W 15 to 20 E 45-V-X-F-W 15 to 20
	$21 \leq b \leq 40$	$\geq 2 \times 50$	EI 180- V-X-F-W21 to 40 E 180- V-X-F-W21 to 40
	$4 \leq b \leq 14$	$\geq 2 \times 40$	EI 120H-X-F-W4 to 14 E 120H-X-F-W4 to 14
	$15 \leq b \leq 20$	$\geq 2 \times 40$	EI 120-H-X-F-W15 to 20 E 120-H-X-F-W15 to 20
	$21 \leq b \leq 40$	$\geq 2 \times 50$	EI 120-H-X-F-W21 to 40 E 120-H-X-F-W21 to 40

Table 2.2 provides an overview of the classification of the joint systems arranged on both sides in an aerated concrete wall, $t \geq 100$ mm:

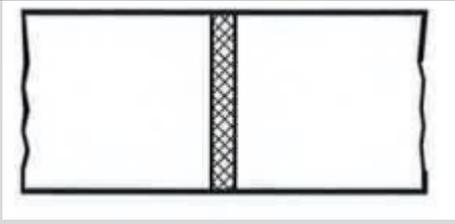
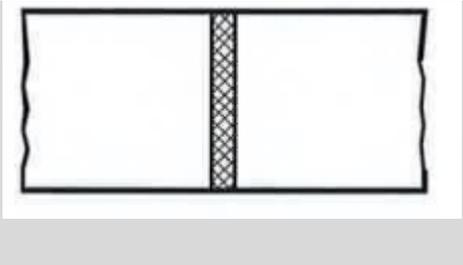
	Joint width b [mm]	ISO-FLAME KOMBI F120 Insertion depth [mm]	Recommended classification
	4	$\geq 2 \times 30$	EI 120-V-X-F-W4 E 180-V-X-F-W4
	$5 \leq b \leq 14$	$\geq 2 \times 30$	EI 60-V-X-F-W5 to 14 E180-V-X-F-W5 to 14
	$15 \leq b \leq 20$	$\geq 2 \times 30$	EI 90-V-X-F-W 15 to 20 E 120-V-X-F-W 15 to 20
	$21 \leq b \leq 40$	$\geq 2 \times 30$	EI 45- V-X-F-W21 to 40 E 60- V-X-F-W21 to 40

Table 2.3 provides an overview of the classification of the joint systems arranged on both sides in wooden wall, $t \geq 120$ mm:

	Joint width b [mm]	ISO-FLAME KOMBI F120 Insertion depth [mm]	Recommended classification
	$4 \leq b \leq 20$	$\geq 2 \times 25$	EI 30-V-X-F-W4 to 20 EI30-H-X-F-W4 to 20
	$21 \leq b \leq 40$	$\geq 2 \times 30$	EI 30-V-X-F-W 21 to 40 EI 30-H-X-F-W 21 to 40
	$4 \leq b \leq 14^*$	$\geq 2 \times 20$	EI 30-V-X-F-W4 to 14 EI 30-H-X-F-W4 to 14

*with wooden list covering

Table 2.4 provides an overview of the classification of the joint systems arranged on both sides between metallic wall elements, $t \geq 100$ mm:

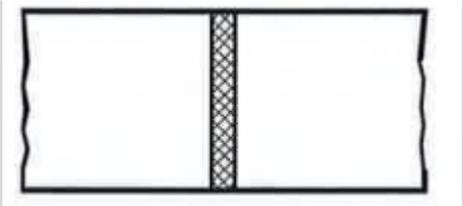
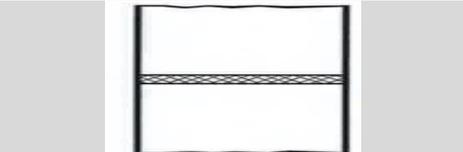
	Joint width b [mm]	ISO-FLAME KOMBI F120 Insertion depth [mm]	Recommended classification
	$4 \leq b \leq 14$	$\geq 2 \times 30$	EI 30-V-X-F-W4 to 14 EI30-H-X-F-W4 to 14

Table 2.5 provides an overview of the classification of the joint systems arranged on both sides in an aerated concrete wall, $t \geq 124$ mm:

	Joint width b [mm]	ISO-FLAME KOMBI F120 Insertion depth [mm]	Recommended classification
	$4 \leq b \leq 40$	$\geq 2 \times 30$	EI 30-H-X-F-W4 to 40 E30-H-X-F-W4 to 40

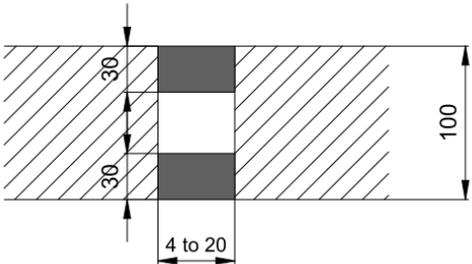
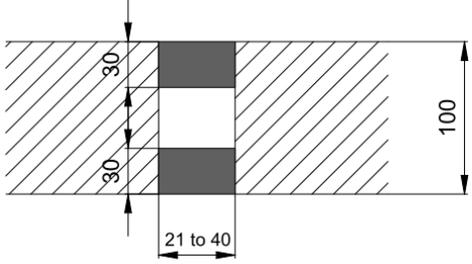
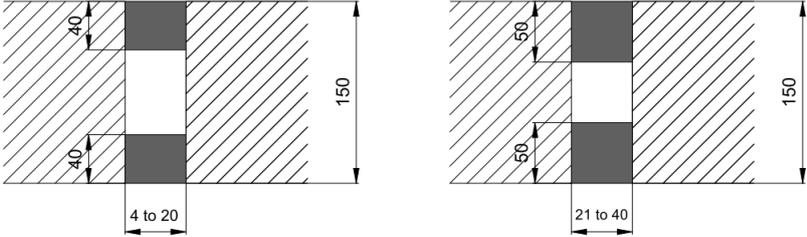
Annex C

Field of installation, floor joints between massive mineral construction elements

	<p>Installation in floor joints EI 45</p>
	<p>Installation in floor joints EI 30 tape covered with a sealant (ISO-TOP FAÇADE SEAL)</p>
	<p>Installation in floor joints EI 120</p>
	<p>Installation in floor joints EI 120</p>

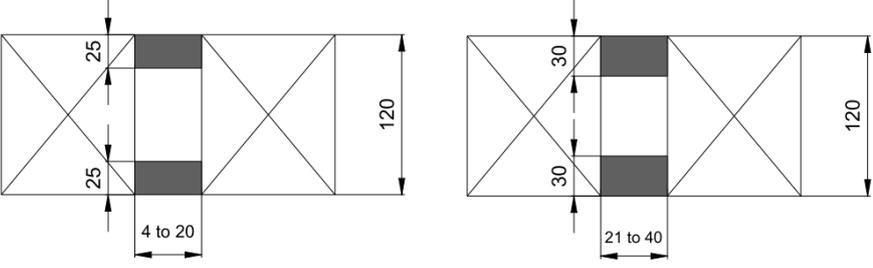
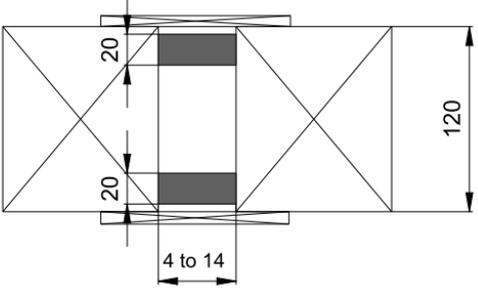
Annex D

Field of installation, wall joints between massive mineral construction elements

	<p>Installation in wall joints EI 60</p>
	<p>Installation in wall joints EI 45</p>
	<p>Installation in wall joints EI 120</p>

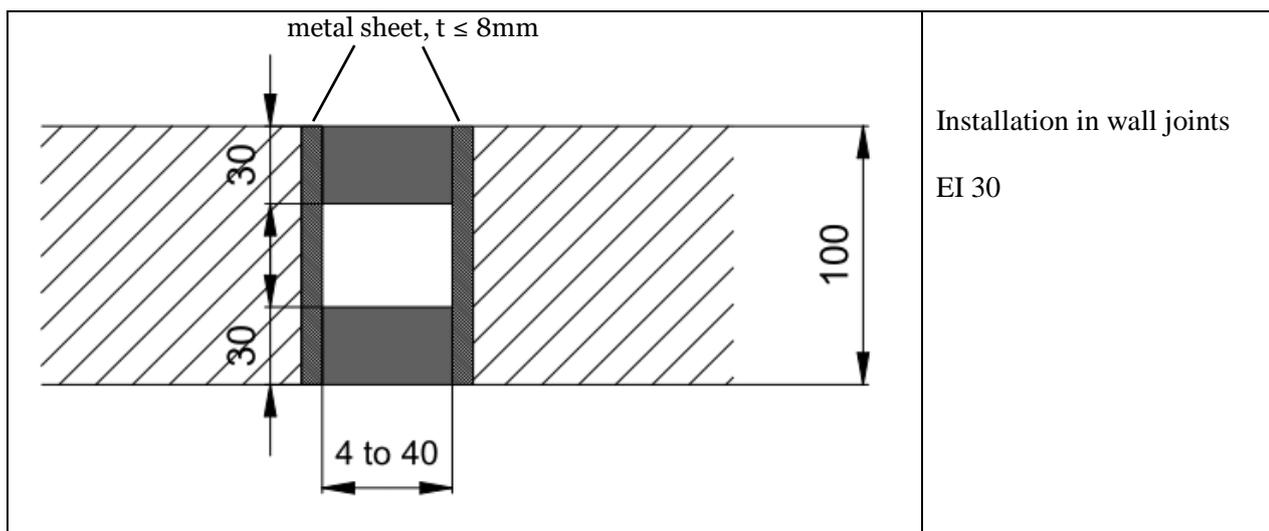
Annex E

Field of installation, wall joints between wooden construction elements

 <p>The left diagram shows a wall joint with a 25mm gap between the top and bottom elements. The overlap between the elements is 4 to 20mm. The height of the wall is 120mm. The right diagram shows a wall joint with a 30mm gap between the top and bottom elements. The overlap between the elements is 21 to 40mm. The height of the wall is 120mm. Both diagrams show diagonal bracing and a central vertical element.</p>	<p>Installation in wall joints</p> <p>EI 30</p>
 <p>The diagram shows a wall joint with a 20mm gap between the top and bottom elements. The overlap between the elements is 4 to 14mm. The height of the wall is 120mm. The joint is covered with a wooden list.</p>	<p>Installation in wall joints</p> <p>EI 30</p> <p>Joints covered with wooden list</p>

Annex F

Field of installation, wall joints between metallic construction elements



Annex G Installation sequence

