

## HARDWARE PERFORMANCE SHEET

# ***CHEMOLLI-FIREBOLT A1***

**TABLE A.1 – BUILDING HARDWARE IDENTIFICATION**

<b>Position</b>	<b>Declaration</b>	<b>Required product information</b>	<b>Additional information</b>
<b>1</b>	CHEMOLLI s.a.s. di Eros Chemolli & C.	CHEMOLLI-FIREBOLT A1 mod. STANDARD mod. STEALTH	Via Fitta, 1 - 38062 Arco (TN) - Italy
<b>2</b>	CHEMOLLI-FIREBOLT A1	Fire mechanical seal bolt	
<b>3</b>	Bolt	Mechanical fixed bolt to avoid the possibility to extract the door leaf from the frame	See product technical data sheet
<b>4</b>	Relevant EN standard	N.A.	there is not a reference product standard published
<b>5</b>	Classification	N.A.	there is not a reference product standard published
<b>6</b>	Main Dimensions	Ø 25 mm 4 mm thick the plate Ø 25 mm 3 mm thick the striker plate	See product technical data sheet
<b>7</b>	Remarks	The difference between the models is only the plate profile	See product technical data sheet



**TABLE A.2 – TEST EVIDENCE USED**

<b>1</b>	<b>Material of the doorset and/or openable window</b>	<input type="checkbox"/> Steel doorset and/or openable window
		<input checked="" type="checkbox"/> Timber doorset and/or openable window
		<input type="checkbox"/> Aluminium doorset and/or openable window
		<input checked="" type="checkbox"/> Other: Metal Frame and timber door
<b>2</b>	<b>Mounting of the building hardware</b>	<input type="checkbox"/> Surface mounted, exposed to fire
		<input type="checkbox"/> Surface mounted, not exposed to fire
		<input checked="" type="checkbox"/> Mortice mounted, fire on both side
<b>3</b>	<b>Type of doorset and/or openable window</b>	<input checked="" type="checkbox"/> Hinged
		<input type="checkbox"/> pivoted
		<input type="checkbox"/> Sliding
		<input checked="" type="checkbox"/> Single leaf doorset
		<input checked="" type="checkbox"/> Double leaf doorset
		<input type="checkbox"/> Primary (active) leaf
		<input type="checkbox"/> Secondary (inactive) leaf
		<input type="checkbox"/> Other type .....



**TABLE A.3 – PERFORMANCE LEVELS**

	Performance	Fire resisting doorset and/or openable window test evidence	Building hardware test evidence	Smoke control doorset and/or openable window test evidence	Durability of self-closing
<b>1</b>	Test method	<input checked="" type="checkbox"/> EN 1634-1	<input type="checkbox"/> EN 1634-2	<input type="checkbox"/> EN 1634-3	<input checked="" type="checkbox"/> EN 1191 <input checked="" type="checkbox"/> EN 12605
<b>2</b>	Test Report No.	58-U-13 196FR			58-U-13 196FR
<b>3</b>	Test report issued by:	LAPI S.p.a.			LAPI S.p.a.
<b>4</b>	Classification	EN 13501-2		EN 13501-2	EN 14600
		E: EW: El <sub>1</sub> : 30 El <sub>2</sub> : 30		<input type="checkbox"/> S <sub>a</sub> <input type="checkbox"/> S <sub>m</sub>	<input type="checkbox"/> C0 (zero) <input checked="" type="checkbox"/> C1 (500) <input type="checkbox"/> C2 (10.000) <input type="checkbox"/> C3 (50.000) <input type="checkbox"/> C4 (100.000) <input type="checkbox"/> C5 (200.000)
<b>5a</b>	Width of primary leaf	mm 812	mm	mm	mm 812
<b>5b</b>	Width of secondary leaf	mm	mm	mm	mm
<b>6</b>	Door leaf height	mm 2000	mm	mm	mm 2000
<b>7</b>	Door thickness	mm 50	mm	mm	mm 50
<b>8a</b>	Mass of primary leaf	kg 50	kg	kg	kg 50
<b>8b</b>	Mass of secondary leaf	kg	kg	kg	kg
<b>9</b>	Restrictions	Wooden door leaf and wooden frame			
<b>10</b>	Installation instruction	See CHEMOLLI-FIREBOLT A1 Product data sheet			
<b>11</b>	Certification body				
<b>12</b>	Prepared by	Chemolli s.a.s.			
<b>13</b>	Date	05/01/2015			



	Performance	Fire resisting doorset and/or openable window test evidence	Building hardware test evidence	Smoke control doorset and/or openable window test evidence	Durability of self-closing
1	Test method	<input checked="" type="checkbox"/> EN 1634-1	<input type="checkbox"/> EN 1634-2	<input type="checkbox"/> EN 1634-3	<input checked="" type="checkbox"/> EN 1191 <input checked="" type="checkbox"/> EN 12605
2	Test Report No.	59-U-13 196FR			59-U-13 196FR
3	Test report issued by:	LAPI S.p.a.			LAPI S.p.a.
4	Classification	EN 13501-2		EN 13501-2	EN 14600
		E: EW: EI <sub>1</sub> : 30 EI <sub>2</sub> : 30		<input type="checkbox"/> S <sub>a</sub> <input type="checkbox"/> S <sub>m</sub>	<input type="checkbox"/> C0 (zero) <input checked="" type="checkbox"/> C1 (500) <input type="checkbox"/> C2 (10.000) <input type="checkbox"/> C3 (50.000) <input type="checkbox"/> C4 (100.000) <input type="checkbox"/> C5 (200.000)
5a	Width of primary leaf	mm 812	mm	mm	mm 812
5b	Width of secondary leaf	mm	mm	mm	mm
6	Door leaf height	mm 2000	mm	mm	mm 2000
7	Door thickness	mm 50	mm	mm	mm 50
8a	Mass of primary leaf	kg 50	kg	kg	kg 50
8b	Mass of secondary leaf	kg	kg	kg	kg
9	Restrictions	Wooden door leaf and wooden frame			
10	Installation instruction	See CHEMOLLI-FIREBOLT A1 Product data sheet			
11	Certification body				
12	Prepared by	Chemolli s.a.s.			
13	Date	05/01/2015			



	Performance	Fire resisting doorset and/or openable window test evidence	Building hardware test evidence	Smoke control doorset and/or openable window test evidence	Durability of self-closing
1	Test method	<input checked="" type="checkbox"/> EN 1634-1	<input type="checkbox"/> EN 1634-2	<input type="checkbox"/> EN 1634-3	<input checked="" type="checkbox"/> EN 1191 <input checked="" type="checkbox"/> EN 12605
2	Test Report No.	CSI1975FR			CSI1975FR
3	Test report issued by:	CSI SpA			CSI SpA
4	Classification	EN 13501-2		EN 13501-2	EN 14600
		E: EW: EI <sub>1</sub> : 120 EI <sub>2</sub> : 120		<input type="checkbox"/> S <sub>a</sub> <input type="checkbox"/> S <sub>m</sub>	<input type="checkbox"/> C0 (zero) <input checked="" type="checkbox"/> C1 (500) <input type="checkbox"/> C2 (10.000) <input type="checkbox"/> C3 (50.000) <input type="checkbox"/> C4 (100.000) <input type="checkbox"/> C5 (200.000)
5a	Width of primary leaf	mm 1104	mm	mm	mm 1104
5b	Width of secondary leaf	mm 1104	mm	mm	mm 1104
6	Door leaf height	mm 2126	mm	mm	mm 2126
7	Door thickness	mm 91	mm	mm	mm 91
8a	Mass of primary leaf	kg 121,5	kg	kg	kg 121,5
8b	Mass of secondary leaf	kg 115,5	kg	kg	kg 115,5
9	Restrictions	Double leaf wooden doors on wooden frame			
10	Installation instruction	See CHEMOLLI-FIREBOLT A1 Product data sheet			
11	Certification body				
12	Prepared by	Chemolli s.a.s.			
13	Date	05/01/2015			



	Performance	Fire resisting doorset and/or openable window test evidence	Building hardware test evidence	Smoke control doorset and/or openable window test evidence	Durability of self-closing
1	Test method	<input checked="" type="checkbox"/> EN 1634-1	<input type="checkbox"/> EN 1634-2	<input type="checkbox"/> EN 1634-3	<input checked="" type="checkbox"/> EN 1191 <input checked="" type="checkbox"/> EN 12605
2	Test Report No.	53-U-12 165FR			53-U-12 165FR
3	Test report issued by:	LAPI S.p.A.			LAPI S.p.A.
4	Classification	EN 13501-2		EN 13501-2	EN 14600
		E: EW: EI <sub>1</sub> : 45 EI <sub>2</sub> : 60		<input type="checkbox"/> S <sub>a</sub> <input type="checkbox"/> S <sub>m</sub>	<input type="checkbox"/> C0 (zero) <input checked="" type="checkbox"/> C1 (500) <input type="checkbox"/> C2 (10.000) <input type="checkbox"/> C3 (50.000) <input type="checkbox"/> C4 (100.000) <input type="checkbox"/> C5 (200.000)
5a	Width of primary leaf	mm 920	mm	mm	mm 920
5b	Width of secondary leaf	mm	mm	mm	mm
6	Door leaf height	mm 2104	mm	mm	mm 2104
7	Door thickness	mm 60	mm	mm	mm 60
8a	Mass of primary leaf	kg 70	kg	kg	kg 70
8b	Mass of secondary leaf	kg	kg	kg	kg
9	Restrictions	Wooden door leaf and aluminium frame			
10	Installation instruction	See CHEMOLLI-FIREBOLT A1 Product data sheet			
11	Certification body				
12	Prepared by	Chemolli s.a.s.			
13	Date	05/01/2015			



	Performance	Fire resisting doorset and/or openable window test evidence	Building hardware test evidence	Smoke control doorset and/or openable window test evidence	Durability of self-closing
1	Test method	<input checked="" type="checkbox"/> EN 1634-1	<input type="checkbox"/> EN 1634-2	<input type="checkbox"/> EN 1634-3	<input checked="" type="checkbox"/> EN 1191 <input checked="" type="checkbox"/> EN 12605
2	Test Report No.	CSI1974FR			CSI1974FR
3	Test report issued by:	CSI SpA			CSI SpA
4	Classification	EN 13501-2		EN 13501-2	EN 14600
		E: EW: EI <sub>1</sub> : 60 EI <sub>2</sub> : 60		<input type="checkbox"/> S <sub>a</sub> <input type="checkbox"/> S <sub>m</sub>	<input type="checkbox"/> C0 (zero) <input checked="" type="checkbox"/> C1 (500) <input type="checkbox"/> C2 (10.000) <input type="checkbox"/> C3 (50.000) <input type="checkbox"/> C4 (100.000) <input type="checkbox"/> C5 (200.000)
5a	Width of primary leaf	mm 962	mm	mm	mm 962
5b	Width of secondary leaf	mm 971	mm	mm	mm 971
6	Door leaf height	mm 2400	mm	mm	mm 2400
7	Door thickness	mm 58	mm	mm	mm 58
8a	Mass of primary leaf	kg 66	kg	kg	kg 66
8b	Mass of secondary leaf	kg 62	kg	kg	kg 62
9	Restrictions	Double leaf wooden doors on wooden frame			
10	Installation instruction	See CHEMOLLI-FIREBOLT A1 Product data sheet			
11	Certification body				
12	Prepared by	Chemolli s.a.s.			
13	Date	05/01/2015			



	Performance	Fire resisting doorset and/or openable window test evidence	Building hardware test evidence	Smoke control doorset and/or openable window test evidence	Durability of self-closing
1	Test method	<input checked="" type="checkbox"/> EN 1634-1	<input type="checkbox"/> EN 1634-2	<input type="checkbox"/> EN 1634-3	<input checked="" type="checkbox"/> EN 1191 <input checked="" type="checkbox"/> EN 12605
2	Test Report No.	CSI1972FR			CSI1972FR
3	Test report issued by:	CSI SpA			CSI SpA
4	Classification	EN 13501-2		EN 13501-2	EN 14600
		E: EW: EI <sub>1</sub> : 60 EI <sub>2</sub> : 60		<input type="checkbox"/> S <sub>a</sub> <input type="checkbox"/> S <sub>m</sub>	<input type="checkbox"/> C0 (zero) <input checked="" type="checkbox"/> C1 (500) <input type="checkbox"/> C2 (10.000) <input type="checkbox"/> C3 (50.000) <input type="checkbox"/> C4 (100.000) <input type="checkbox"/> C5 (200.000)
5a	Width of primary leaf	mm 962	mm	mm	mm 962
5b	Width of secondary leaf	mm	mm	mm	mm
6	Door leaf height	mm 2400	mm	mm	mm 2400
7	Door thickness	mm 58	mm	mm	mm 58
8a	Mass of primary leaf	kg 65,5	kg	kg	kg 65,5
8b	Mass of secondary leaf	kg	kg	kg	kg
9	Restrictions	Single leaf wooden doors on wooden frame			
10	Installation instruction	See CHEMOLLI-FIREBOLT A1 Product data sheet			
11	Certification body				
12	Prepared by	Chemolli s.a.s.			
13	Date	05/01/2015			





	Performance	Fire resisting doorset and/or openable window test evidence	Building hardware test evidence	Smoke control doorset and/or openable window test evidence	Durability of self-closing
1	Test method	<input checked="" type="checkbox"/> EN 1634-1	<input type="checkbox"/> EN 1634-2	<input type="checkbox"/> EN 1634-3	<input checked="" type="checkbox"/> EN 1191 <input checked="" type="checkbox"/> EN 12605
2	Test Report No.	49-U-12 165FR			49-U-12 165FR
3	Test report issued by:	LAPI S.p.A.			LAPI S.p.A.
4	Classification	EN 13501-2		EN 13501-2	EN 14600
		E: EW: EI <sub>1</sub> : 30 EI <sub>2</sub> : 30		<input type="checkbox"/> S <sub>a</sub> <input type="checkbox"/> S <sub>m</sub>	<input type="checkbox"/> C0 (zero) <input checked="" type="checkbox"/> C1 (500) <input type="checkbox"/> C2 (10.000) <input type="checkbox"/> C3 (50.000) <input type="checkbox"/> C4 (100.000) <input type="checkbox"/> C5 (200.000)
5a	Width of primary leaf	mm 918	mm	mm	mm 918
5b	Width of secondary leaf	mm	mm	mm	mm
6	Door leaf height	mm 2103	mm	mm	mm 2103
7	Door thickness	mm 42,5	mm	mm	mm 42,5
8a	Mass of primary leaf	kg 43	kg	kg	kg 43
8b	Mass of secondary leaf	kg	kg	kg	kg
9	Restrictions	Single wooden door leaf and wooden frame			
10	Installation instruction	See CHEMOLLI-FIREBOLT A1 Product data sheet			
11	Certification body				
12	Prepared by	Chemolli s.a.s.			
13	Date	05/01/2015			



	Performance	Fire resisting doorset and/or openable window test evidence	Building hardware test evidence	Smoke control doorset and/or openable window test evidence	Durability of self-closing
1	Test method	<input checked="" type="checkbox"/> EN 1634-1	<input type="checkbox"/> EN 1634-2	<input type="checkbox"/> EN 1634-3	<input checked="" type="checkbox"/> EN 1191 <input checked="" type="checkbox"/> EN 12605
2	Test Report No.	EFR-14-V-000774			
3	Test report issued by:	Efectis France			
4	Classification	EN 13501-2		EN 13501-2	EN 14600
		E: EW: EI <sub>1</sub> : EI <sub>2</sub> : 45		<input type="checkbox"/> S <sub>a</sub> <input type="checkbox"/> S <sub>m</sub>	<input type="checkbox"/> C0 (zero) <input checked="" type="checkbox"/> C1 (500) <input type="checkbox"/> C2 (10.000) <input type="checkbox"/> C3 (50.000) <input type="checkbox"/> C4 (100.000) <input type="checkbox"/> C5 (200.000)
5a	Width of primary leaf	mm 878	mm	mm	mm 878
5b	Width of secondary leaf	mm	mm	mm	mm
6	Door leaf height	mm 2190	mm	mm	mm 2190
7	Door thickness	mm 57	mm	mm	mm 57
8a	Mass of primary leaf	kg	kg	kg	kg
8b	Mass of secondary leaf	kg	kg	kg	kg
9	Restrictions	Single wooden door leaf and aluminium frame			
10	Installation instruction	See CHEMOLLI-FIREBOLT A1 Product data sheet			
11	Certification body				
12	Prepared by	Chemolli s.a.s.			
13	Date	05/01/2015			



	Performance	Fire resisting doorset and/or openable window test evidence	Building hardware test evidence	Smoke control doorset and/or openable window test evidence	Durability of self-closing
1	Test method	<input type="checkbox"/> EN 1634-1	<input type="checkbox"/> EN 1634-2	<input type="checkbox"/> EN 1634-3	<input checked="" type="checkbox"/> EN 1191 <input checked="" type="checkbox"/> EN 12605
2	Test Report No.				14/9087-1332
3	Test report issued by:				Applus
4	Classification	EN 13501-2		EN 13501-2	EN 14600
		E: EW: EI <sub>1</sub> : EI <sub>2</sub> :		<input type="checkbox"/> S <sub>a</sub> <input type="checkbox"/> S <sub>m</sub>	<input type="checkbox"/> C0 (zero) <input type="checkbox"/> C1 (500) <input checked="" type="checkbox"/> C2 (10.000) <input type="checkbox"/> C3 (50.000) <input type="checkbox"/> C4 (100.000) <input type="checkbox"/> C5 (200.000)
5a	Width of primary leaf	mm	mm	mm	mm 918
5b	Width of secondary leaf	mm	mm	mm	mm
6	Door leaf height	mm	mm	mm	mm 2103
7	Door thickness	mm	mm	mm	mm 42,5
8a	Mass of primary leaf	kg	kg	kg	kg 50
8b	Mass of secondary leaf	kg	kg	kg	kg
9	Restrictions				
10	Installation instruction	See CHEMOLLI-FIREBOLT A1 Product data sheet			
11	Certification body				
12	Prepared by	Chemolli s.a.s.			
13	Date	05/01/2015			



	Performance	Fire resisting doorset and/or openable window test evidence	Building hardware test evidence	Smoke control doorset and/or openable window test evidence	Durability of self-closing
1	Test method	<input type="checkbox"/> EN 1634-1	<input type="checkbox"/> EN 1634-2	<input checked="" type="checkbox"/> EN 1634-3	<input checked="" type="checkbox"/> EN 1191 <input checked="" type="checkbox"/> EN 12605
2	Test Report No.			14/9180-1466EN Part 1	14/9180-1466EN Part 1
3	Test report issued by:			Applus	Applus
4	Classification	EN 13501-2		EN 13501-2	EN 14600
		E: EW: EI <sub>1</sub> : EI <sub>2</sub> :		<input checked="" type="checkbox"/> S <sub>a</sub> <input type="checkbox"/> S <sub>m</sub>	<input type="checkbox"/> C0 (zero) <input type="checkbox"/> C1 (500) <input checked="" type="checkbox"/> C2 (10.000) <input type="checkbox"/> C3 (50.000) <input type="checkbox"/> C4 (100.000) <input type="checkbox"/> C5 (200.000)
5a	Width of primary leaf	mm	mm	mm 918	mm 918
5b	Width of secondary leaf	mm	mm	mm	mm
6	Door leaf height	mm	mm	mm 2103	mm 2103
7	Door thickness	mm	mm	mm 42,5	mm 42,5
8a	Mass of primary leaf	kg	kg	kg 54	kg 54
8b	Mass of secondary leaf	kg	kg	kg	kg
9	Restrictions				
10	Installation instruction	See CHEMOLLI-FIREBOLT A1 Product data sheet			
11	Certification body				
12	Prepared by	Chemolli s.a.s.			
13	Date	05/01/2015			

