

TEST LIST / JANUARY 2018

Fire Resistant Boards - Tecbor®, Tecbor® A & B

SOLUTION	DESCRIPTION	TEST No.	LABORATORY	STANDARD	PROTECTION	
Metallic structure	Steelwork protection	Beams/Pillars protection with Tecbor® (Massivity up to 498)	058417_002 M1	TECNALIA 02/11/16	UNE EN 13381-4	R 30 - R 240
Concrete structure	Reinforced concrete protection	Beams/Pillars protection with Tecbor® A	12-3550-541 M-1	APPLUS/03-12	UNE EN 13381-3	REI 30 - REI 240
			12-3550-656	APPLUS/03-12	UNE EN 13381-3	R 30 - R 240
Cable tray	Cable tray protection	Tecbor® B 40 mm - Cables 15 - 35 mm; CRITERIA: electrical continuity, earthing and shortcircuiting . Curve UL 1709	25417	CIDEMCO/02-06-10	UNE EN 1363-1 + UL 1709	EI -120
	Cable tray protection	Tecbor® B 20 and 40 mm	21008		UNE EN 1363-1 + UL 1709	EI 30 - EI-60
	Tecbor®-B Ducts (20+20 mm)	Horizontal duct type B (int fire) Tecbor® B 20+20 mm.	7169/06	AFITI/12-06-06	UNE EN 1366-1	EI 120
		Horizontal duct type A (ext fire) Tecbor® 20+20 mm.	18037-1 /-2-a-M1	CIDEMCO/28-01-10	UNE EN 1366-1	EI 120
	Tecbor®-B Ducts (40 mm)	Horizontal duct type B (int fire) Tecbor® B 40 mm	19078-1 /-2-a-M1	CIDEMCO/28-01-10	UNE EN 1366-1	EI 120
		Horizontal duct type A (ext fire) Tecbor® B 40 mm.	10/101165-131	APPLUS/13-07-10	UNE EN 1366-1	EI 120
	Tecbor®-B Ducts (50 mm)	Horizontal duct type B (int fire) Tecbor® B 40 + 10 mm	19967	CIDEMCO/04-11-08	UNE EN 1366-1	EI 180
		Horizontal duct type A (ext fire) Tecbor® B 40 + 10 mm	20529	CIDEMCO/22-06-09	UNE EN 1366-1	EI 180
	Tecbor®-B Ducts (20+20 mm)	Vertical duct type B (int fire) Tecbor® B 20+20 mm.	19052-1 /-3	CIDEMCO/08-07-08	UNE EN 1366-1	EI 120
		Vertical ducts type A (ext fire) Tecbor® B 20+20 mm.	19052-2 /-3	CIDEMCO/08-07-08	UNE EN 1366-1	EI 120
	Tecbor®-B Ducts (40 mm)	Vertical duct type B (int fire) Tecbor® B 40 mm.	19318-1 /-3-a-M1	CIDEMCO/26-03-10	UNE EN 1366-1	EI 120
		Vertical ducts type A (ext fire) Tecbor® B 40 mm.	19318-2 /-3-a-M1	CIDEMCO/26-03-10	UNE EN 1366-1	EI 120
	Tecbor®-B Ducts (50 mm)	Vertical duct type B (int fire) Tecbor® B 40 + 10 mm.	20330-a-M1	CIDEMCO/26-03-10	UNE EN 1366-1	EI 180
		Vertical ducts type A (ext fire) Tecbor® B 40 + 10 mm.	19966-1 /-2-a-M1	CIDEMCO/26-03-10	UNE EN 1366-1	EI 180
	Tecbor® Ducts (30mm)	Vertical ducts type A (ext fire)	14_07739 M1	TECNALIA	UNE EN 1366-1	EI 120
		Horizontal duct type B (int fire)	15_08681 M2	TECNALIA	UNE EN 1366-1	EI 120
		Vertical duct type B (int fire)	14_07738 M1	TECNALIA	UNE EN 1366-1	EI 120
		Horizontal duct type A (ext fire)	14/8785-1293 M2	APPLUS	UNE EN 1366-1	EI 120
		Duct type C (EXTRACTION) 1500 Pa	14/8785-1237 M2	APPLUS	UNE EN 1366-8	EI 120

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Fire Resistant Boards - Tecbor®, Tecbor® A & B

	SOLUTION	DESCRIPTION	TEST No.	LABORATORY	STANDARD	PROTECTION
Walls and Wall linings	Tecbor® A Wall (12 mm)	Tecbor® A 12 mm. + WITHOUT ROCK WOOL + Tecbor® A 12 mm	051497-1	TECNALIA	UNE EN 1364-1	EI 60
	Tecbor® A Wall (12 mm)	Tecbor® A 12 mm. + 70 mm rock wool (100 kg/m ³) + Tecbor® A 12 mm	17826-1/-2-a-M1	CIDEMCO/28-01-10	UNE EN 1364-1	EI 120
	Tecbor® Wall (12 mm)	Tecbor® 12 mm. + 80 mm rock wool (40 kg/m ³) + Tecbor® 12 mm	072951-005-1/-2	TECNALIA/14-09-18	UNE EN 1364-1	EI 120
	Tecbor® Wall (10+10 mm)	Tecbor® (10+10) + 80 mm rock wool (40 kg/m ³) + Tec (10+10)	072951-006-1/-2	TECNALIA/14-09-18	UNE EN 1364-1	EI 180
	Tecbor® Wall (15+15 mm) +12,5 mm PYL	Tecbor® (15+15) + 80 mm rock wool (40 kg/m ³) + 12,5 mm PYL	072951-006-1/-2	TECNALIA/14-09-18	UNE EN 1364-1	EI-240
	Tecbor® A wall lining over ceramic brick (12 mm)	Ceramic brick + Tecbor® A 12 mm	07/32302900	APPLUS/14-11-07	UNE EN 1364-1	EI 240
	Tecbor® A Wall lining over concrete block (10 mm)	Concrete block + Tecbor® A 10 mm	14736-1/-2-a-M1	CIDEMCO/28-01-10	UNE EN 1364-1	EI 120
	Tecbor® A Wall lining over concrete slab (12 mm)	Prestressed concrete slab + Tecbor® A 12 mm	16149-1/-2 -a-M1	CIDEMCO/28-01-10	UNE EN 1364-1	EI 180
	Tecbor® A Wall lining Tecbor® A (12 mm)	Tecbor® A 12+12 mm. + 60 mm rock wool (100 kg/m ³)	19216-1/-2-a-M1	CIDEMCO/28-01-10	UNE EN 1364-1	EI 90
	Tecbor® A Wall lining Tecbor® A (15 mm)	Tecbor® A 15+15 mm. + 60 mm rock wool (100 kg/m ³)	19319-1/-2-a-M1	CIDEMCO/28-01-10	UNE EN 1364-1	EI 120
	Tecbor® Independent wall lining (15+15 mm)	Tecbor® 15+15 mm. + 12,5 mm PYL	076765-002-1/2	TECNALIA	UNE EN 1364-1	EI-120
	Tecbor® Independent wall lining (12 mm)	Tecbor® 12+12 mm. + 80 mm rock wool (40 kg/m ³)	072951-008-1/-2	TECNALIA/17-09-18	UNE EN 1364-1	EI 120
	Tecbor® Y Wall (25 mm)	Tecbor® Y 25. + 2 x 40 mm rock wool (40 kg/m ³)	24237-3 y 4	TECNALIA	UNE EN 1364-1	EI 180
	Tecbor® Y Wall (25 mm)	Tecbor® Y 25. + 40 mm rock wool (40 kg/m ³)	12319-3 y 4	TECNALIA	UNE EN 1364-1	EI 120
Suspended ceilings and reinforcement protection	Independent suspended ceiling Tecbor®	Two layers of Tecbor®		TECNALIA	UNE EN 1364-2	EI-60 a EI-180
	Independent suspended ceiling Tecbor® A (12 mm)	Tecbor® A 12 + 12 mm + 40 mm rock wool (40 kg/m ³)	20331-1/-2-a-M2	CIDEMCO/28-01-10	UNE EN 1364-2	EI 120
	Suspended ceiling - fire barrier Tecbor® A (12 mm)	Tecbor® A 12 mm + 40 mm rock wool (70 kg/m ³)	06/32301615	APPLUS/03-01-07	UNE EN 1365-2	EI 60
			10/1483-1009	APPLUS/11-03-07		
	Suspended ceiling - fire barrier Tecbor® A (12 mm)	Tecbor® A 12 + 12 mm	07/32300713M1	APPLUS/08-03-07	UNE EN 1365-2	EI 90
			10/1483-1010	APPLUS/08-04-10		
	Suspended ceiling - fire barrier Tecbor® A (15 mm)	Tecbor® A 15 + 15 mm	07/32303916M1	APPLUS/13-08-07	UNE EN 1365-2	EI 120
10/1483-1011			APPLUS/08-04-10			

Fire Resistant Boards - Tecbor®, Tecbor® A & B

	SOLUTION	DESCRIPTION	TEST No.	LABORATORY	STANDARD	PROTECTION
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Curtain Walls	Tecbor® A Curtain wall (10 mm)	Tecbor® A 10 mm + 60 mm rock wool (100 kg/m3)	13750-a-M1	CIDEMCO/28-01-10	UNE EN 1363-1	EI 120
	Tecbor® A Curtain wall (10 mm)	Tecbor® A 10 mm + 60 mm rock wool (100 kg/m3)	14610-a-M1	CIDEMCO/28-01-10	UNE EN 1363-1	EI 120
	Tecbor® B Independent curtain wall (20 mm) + 12,5 mm plasterboard	Tecbor® B 20 mm Curtain wall with slabs inside+ 12,5 mm plasterboard	12-02712	CIDEMCO/06-12	UNE EN 1364-4	EI 120
	Tecbor® B Independent curtain wall (20 mm)	Tecbor® B 20 mm. Independent curtain wall	22100-1/-2-a-M1	CIDEMCO/28-01-10	UNE EN 1364-4	EI 60
	Tecbor® B Curtain Wall set on/below slab (20 mm)	Tecbor® B 20 mm + 13 mm plasterboard. Curtain Wall set on/below slab	18598-1/-2-a-M1	CIDEMCO/28-01-10	UNE EN 1364-1	EI 90
	Tecbor® Curtain Wall set on/below slab (30 mm)	Tecbor® 30 mm . Curtain Wall set on/below slab	074490-001-1/-2	CIDEMCO/01-10-18	UNE EN 1364-1	EI 60
Tunnels	Tecbor® B concrete protection in tunnels (20 mm)	Tecbor®-B 20+20 mm. Real test. 15Mw firepower	Ensayo Real	TST/10-12-07	PROTOC. TST	REI 60
	Tecbor® B concrete protection in tunnels (20 mm)	Tecbor® 20 mm. Post fixed application. UL heating curve	17566-1/-2-a-M1	CIDEMCO/26-03-10	UNE EN 1634-2	REI 120
	Tecbor® B concrete protection in tunnels (23 mm)	Tecbor® 23 mm.Suspended false ceiling. RWS heating curve	059072-001	TECNALIA	PROTOC. RWS	RWS 180
	Tecbor® B concrete protection in tunnels (23 mm)	Tecbor® 23 mm. with direct fixing. Fully SATURATED. RWS heating curve	064682-001	TECNALIA	RWS	RWS 180
	Tecbor® B concrete protection in tunnels(23 mm)	Tecbor® 23 mm.Suspended false ceiling. RWS heating curve (Benavides)	062170-001-1	TECNALIA	PROTOC. RWS	RWS 120
	Tecbor® B concrete protection in tunnels (23 mm)	Tecbor® 23 mm. Post fixed application. RWS heating curve	050632-002	TECNALIA	RWS	RWS 120
	Tecbor® B concrete protection in tunnels (25 mm)	Tecbor® 25 mm.Post fixed application. RABT-ZTV heating curve	R-000909	EFFECTIS	RABT-ZTV	RABT-ZTV 170
	Tecbor® B concrete protection in tunnels (25 mm)	Tecbor® 25 mm. Post fixed application. RWS /HCM heating curve	R-000911	EFFECTIS	RWS/HCM	RWS/HCM 120
	Tecbor® B concrete protection in tunnels (30 mm)	Tecbor® B 30 mm. Post fixed application. RWS /HCM heating curve	2011-Efectis-R0386	EFFECTIS/06-11	RWS/HCM	RWS/HCM 120/180
	Tecbor® B concrete protection in tunnels (30 mm)	Tecbor® B 30 mm. Post fixed application (M6). RWS heating curve with fully saturated boards	2012-Efectis-R9239	EFFECTIS/10-12	RWS/HCM	RWS/HCM 120/180
	Tecbor® B concrete protection in tunnels (40 mm)	Tecbor® B 40 mm. Suspended on metal framing 60 mm cavity RWS heating curve	2009-Efectis-R0998	EFFECTIS/01-10	PROTOC. RWS	RWS 120
	Tecbor® B concrete protection in tunnels (40 mm)	Tecbor® B 40 mm. Suspended on metal framing 60 mm cavity RWS heating curve	2009-Efectis-R0999	EFFECTIS/01-10	PROTOC. RWS	RWS 180
	Tecbor® B concrete protection in tunnels (40 mm)	Tecbor® B 40 mm. Suspended on metal framing 70 mm cavity Curve . Back Strip. RWS heating curve	2010-Efectis-R1181	EFFECTIS/04-11	PROTOC.RWS	RWS 120
	Tecbor® B concrete protection in tunnels (25 mm)	Tecbor® 25 mm directly fixed to the concrete slab ISO 834	2015- Efectis- R001326	EFFECTIS R001326	ISO 834	REI-240
	Lostformwork concrete protection (40 mm)	Tecbor® 40 mm lostformwork	29232	TECNALIA	PROTOC. RWS	RWS 180
	Lostformwork concrete protection (30 mm)	Tecbor® 30 mm lostformwork	29148	TECNALIA	PROTOC.RWS	RWS 120
	Tecbor® B concrete protection in tunnels(40 mm)	Tecbor® B 40 mm. Post fixed application. RWS/HCM heating curve	2011-Efectis-R0280	EFFECTIS/04-11	RWS/HCM	RWS/HCM 120/180
	Firewall strips	Firewall strips (0° y 30°)	Tecbor® Y 25 mm	52251	TECNALIA	PROTOCOLO FRANJA
Firewall strips (0° y 30°)		Tecbor® Y 25 + 25 mm	77949	TECNALIA/07-01-19	PROTOCOLO FRANJA	EI-120/EI-180

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Alveoltec® Block

	SOLUTION	DESCRIPTION	TEST No.	LABORATORY	STANDARD	PROTECTION
Shafts for service	Alveoltec Service Shafts	Alveoltec® 70mm	070212-001/2	TECNALIA/09/2018	EN 1364-1	EI120
Walls	Alveoltec® Block 70 mm	Alveoltec® 70 mm	074490-002	TECNALIA/16-05-18	UNE EN 1364-1	EI-120

Fireproof mortars - Tecwool® F

	SOLUTION	DESCRIPTION	TEST No.	LABORATORY	STANDARD	PROTECTION
Metallic structure	Protección estructura metálica de acero	Beams / pillars protection with Tecwool®	069497-001	TECNALIA	UNE EN 13381-4	REI-15 A REI 240
		Massivities up to 340 (standard profiles)	08/32302469	APPLUS/21-01-08	UNE EN 13381-4	R 15 - R 300
		Tecwool® 825 Massivities metallic profiles. Hydrocarbon heating curve	ITB AT-15-8196/2016	ITB	UNE EN 13381-4	R15-R360
		Massivities up to 400. Open, rectangular and circular closed profiles	Ensayo FR-082-09 Evaluación ITB	FIRES/16-06-09	UNE EN 13381-4	R 15 - R 240
Concrete	Concrete structure protection	Tecwool® F over concrete slabs, beams and pillars.	070148-001-1/2	TECNALIA/18-06-18	UNE EN 13381-3	REI 30 - REI 240
			24033	CIDEMCO/28-11-09	UNE EN 13381-3	REI 30 - REI 240
			Ensayo FR-066-09 Evaluación ITB	FIRES/11-06-09	UNE EN 13381-3	REI 30 - REI 240
Composite structure	Composite concrete slab	Characteristic temperature of the deck: 350°C y 500°C	10/100324-148	APPLUS/12-05-10	UNE EN 13381-5	REI 120
	Composite concrete slab	Composite concrete slab (beam span 700 mm) protected with 16 mm	18959-1/-2	CIDEMCO/03-09-08	UNE EN 1365-2	REI 180
Ceramic	Protection of timber beam and ceramic slab (24 mm)	24 mm protection of timber beam and ceramic slab. 50 mm concrete screed	77579	TECNALIA/15-01-19	UNE EN 1365-2	REI 180
Firewall strips	Tecwool F Fire belt barrier system (25 mm)	25 mm. de Tecwool F on corrugated metal deck	07/32300403	APPLU/03-2007	PROTOCOLO	EI 120
	Tecwool F Fire belt barrier system (37 mm)	37 mm. de Tecwool F on metal deck	21083 M-1	CIDEMCO/05-03-09	PROTOCOLO	EI 120
	Tecwool F Fire belt barrier system (48mm)	48 mm of Tecwool® F on metal lath. Perpendicular and sloping	IE 100300	AIDICO IE	PROTOCOLO	EI 60
	Tecwool F Fire belt barrier system (48mm)	48 mm of Tecwool® F on metal lath. Perpendicular and sloping	060930-001-1	TECNALIA	PROTOCOLO	EI 90
	Tecwool F Fire belt barrier system (37mm)	37 mm of Tecwool® F on metal lath. Perpendicular and sloping	060930-001-2	TECNALIA	PROTOCOLO	EI 120
	Tecwool F Fire belt barrier system (50mm)	50 mm of Tecwool® F on metal lath. Perpendicular and sloping	060930-002-1	TECNALIA	PROTOCOLO	EI 120
	Tecwool F Fire belt barrier system (50 mm)	Tecwool F of Tecwool® F on metal lath. Perpendicular and sloping	060930-002-2	TECNALIA	PROTOCOLO	EI 180

Fireproof mortars - Tecwool® F

	SOLUTION	DESCRIPTION	TEST No.	LABORATORY	STANDARD	PROTECTION
Steelwork	Steelwork protection	Beams / pillars protection with Tecwool®	69497		EN 13381-4	
		Beams / pillars protection with Tecwool®	069497-001	TECNALIA	EN 13381-4	REI 15 - REI 240
		Massivities up to 340 (standard profiles)	08/32302469	APPLUS/21-01-08	EN 13381-4	R 15 - R 300
		Tecwool® 825 Massivities metallic profiles. Hydrocarbon heating curve	ITB AT-15-8196/2016	ITB	EN 13381-4	R 15 - R 360
		Massivities up to 400. Open, rectangular and circular closed profiles	Test FR-082-09 ITB Evaluation	FIRES/16-06-09	EN 13381-4	R 15 - R 240
			070148-001-1/2	TECNALIA/18-06-18	EN 13381-3	REI 30 - REI 240

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Concrete	Concrete structure protection	Tecwool® F over concrete slabs, beams and pillars.	24033	CIDEMCO/28-11-09	EN 13381-3	REI 30 - REI 240
			Test FR-066-09 ITB Evaluation	FIRES/11-06-09	EN 13381-3	REI 30 - REI 240
Composite structure	Composite concrete slab	Characteristic temperature of the deck: 350°C and 500°C	10/100324-148	APPLUS/12-05-10	EN 13381-5	REI 120
		Composite concrete slab (beam span 700 mm) protected with 16 mm Tecwool® F.	18959-1/-2	CIDEMCO/03-09-08	EN 1365-2	REI 180
Ceramic	Protection of timber beam and ceramic slab (23 mm)	25 mm protection of timber beam and ceramic slab. 50 mm concrete screed	08/32311573	APPLUS/12-01-09	EN 1365-2	REI 180
Firewall strips	Tecwool F Fire belt barrier system (25 mm)	25 mm. of Tecwool F on corrugated metal deck	07/32300403	APPLU/03-2007	PROTOCOL	EI 120
	Tecwool F Fire belt barrier system (37 mm)	37 mm. Of Tecwool F on metal deck	21083 M-1	CIDEMCO/05-03-09	PROTOCOL	EI 120
	Tecwool F Fire belt barrier system (48mm)	48 mm of Tecwool® F on metal lath. Perpendicular and sloping	IE 100300	AIDICO IE 100300/09-10	PROTOCOL	EI 60
	Tecwool F Fire belt barrier system (48mm)	48 mm of Tecwool® F on metal lath. Perpendicular and sloping	060930-001-1	TECNALIA	PROTOCOL	EI 90
	Tecwool F Fire belt barrier system (37mm)	37 mm of Tecwool® F on metal lath. Perpendicular and sloping	060930-001-2	TECNALIA	PROTOCOL	EI 120
	Tecwool F Fire belt barrier system (50mm)	50 mm of Tecwool® F on metal lath. Perpendicular and sloping	060930-002-1	TECNALIA	PROTOCOL	EI 120
	Tecwool F Fire belt barrier system (50 mm)	Tecwool F of Tecwool® F on metal lath. Perpendicular and sloping	060930-002-2	TECNALIA	PROTOCOL	EI 180

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Fireproof mortars - Tecwool® F						
SOLUTION	DESCRIPTION	TEST No.	LABORATORY	STANDARD	PROTECTION	
Tunnels	Tecwool® Concrete fire protection in tunnels (40 mm)	40 mm. of Tecwool® F (slabs and walls). 15Mw fire power	Real Fire Test	TST/10-12-07	PROTOCOLO	REI 60
Ducts	Ventilation Duct (43 mm)	Horizontal duct Type A (external fire) Tecwool® 43 mm	10/101513-1941	APLUS/03-11	EN 1366-1	EI 60
	Ventilation Duct (55 mm)	Vertical duct Type A (external fire) Tecwool® 55 mm.	1101T07	AFITI/27-02-07	EN 1366-1	EI 120
Large Partition Wall	Large format partition wall with Tecwool® (49 mm)	49 mm of Tecwool® F applied on metal deck. Max height 10.5 m	27916	CIDEMCO/06-11	EN 1364-1	EI 180
Carbon fiber	Carbon fiber protection on structures with Tecwool® F (50 mm)	50 mm Tecwool® F sprayed on carbon fiber columns. Temp. 81.4 °C	27796	CIDEMCO/ 06-11	EN 1363-1	EI 120

Fireproof mortars - Tecplaster®						
SOLUTION	DESCRIPTION	TEST No.	LABORATORY	STANDARD	PROTECTION	
Steelwork	Protección elementos de acero (vigas y pilares)	Beams / pillars protection with Tecplaster®	CR-016-17-AUPE	FIRES	UNE EN 13381-4	REI-30 a REI-240
Concrete	Concrete structure protection	Tecwool® F over concrete slabs, beams and pillars	K-1/2010	EMI	UNE EN 13381-3	REI-15 a REI-240
Membrane	Steel, concrete and timber structures protection	13 and 28 mm Tecplaster®	72951	TECNALIA/ 02-08-18	EN 13381-4	REI 30 - REI 240

Fireproof mortars - Tecwool® 825						
SOLUTION	DESCRIPTION	TEST No.	LABORATORY	STANDARD	PROTECTION	
Tecwool® 825	Steelwork fire protection	Tecwool® 825 directly sprayed. UL curve	10996A1	GENT/ 10-03	UL 1709	
	Concrete fire protection in tunnels	Tecwool® 825 directly sprayed. RWS curve	2010-Efectis-R0531	EFECTIS/02-10	PROTOCOL	RWS 180
	Protection of steel metallic structure	Massivities up to 400. Open and rectangular closed profiles	FR-057-09 ITB Evaluation	FIRES/25-05-09	EN 13381-4	R 15 - R 240

	THERMAL CONDUCTIVITY	EUROCLASS
Tecwool® F	0,061 W/mk	A1/ TEST 059616-1
Tecwool® T	0,0456 W/mk	A1/ TEST 2012AN1635
Tecwool® 825	-----	A1/ TEST 2012AN1634

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TECSEL® Sealing Systems

SOLUTION	DESCRIPTION	TEST No.	LABORATORY	STANDARD	PROTECTION																																			
Mastic	Neutral cross-linking silicone. Max width 30 mm. External use.	26445-4	CIDEMCO/10-10	EN 1366-4	EI 120 - EI 240																																			
	VERTICAL FACING																																							
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Width</th> <th style="text-align: center;">Depth</th> <th style="text-align: center;">Filling</th> <th style="text-align: center;">Fire Rate</th> <th style="text-align: center;">Type</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">10</td> <td style="text-align: center;">10</td> <td style="text-align: center;">PE</td> <td style="text-align: center;">EI 120</td> <td style="text-align: center;">Simple</td> </tr> <tr> <td style="text-align: center;">10</td> <td style="text-align: center;">10</td> <td style="text-align: center;">PE</td> <td style="text-align: center;">EI 180</td> <td style="text-align: center;">Double</td> </tr> <tr> <td style="text-align: center;">20</td> <td style="text-align: center;">10</td> <td style="text-align: center;">PE</td> <td style="text-align: center;">EI 240</td> <td style="text-align: center;">Double</td> </tr> <tr> <td style="text-align: center;">30</td> <td style="text-align: center;">15</td> <td style="text-align: center;">PE</td> <td style="text-align: center;">EI 240</td> <td style="text-align: center;">Double</td> </tr> <tr> <td style="text-align: center;">10</td> <td style="text-align: center;">10</td> <td style="text-align: center;">LR</td> <td style="text-align: center;">EI 240</td> <td style="text-align: center;">Simple</td> </tr> <tr> <td style="text-align: center;">20</td> <td style="text-align: center;">10</td> <td style="text-align: center;">LR</td> <td style="text-align: center;">EI 240</td> <td style="text-align: center;">Double</td> </tr> </tbody> </table>					Width	Depth	Filling	Fire Rate	Type	10	10	PE	EI 120	Simple	10	10	PE	EI 180	Double	20	10	PE	EI 240	Double	30	15	PE	EI 240	Double	10	10	LR	EI 240	Simple	20	10	LR	EI 240	Double
	Width					Depth	Filling	Fire Rate	Type																															
	10					10	PE	EI 120	Simple																															
	10					10	PE	EI 180	Double																															
	20					10	PE	EI 240	Double																															
	30					15	PE	EI 240	Double																															
	10					10	LR	EI 240	Simple																															
	20	10	LR	EI 240	Double																																			
	TECSEL® Intumescent Mastic (external use)																																							
	Acrylic resin. Internal use. Max width 30 mm.	26445-5	CIDEMCO/10-10	EN 1366-4	EI 180 - EI 240																																			
	VERTICAL FACING																																							
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TECSEL® Intumescent Mastic PLUS																																								

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TECSEL® Sealing Systems

SOLUTION	DESCRIPTION	TEST No.	LABORATORY	STANDARD	PROTECTION																															
Foam	Monocomponent self-expanding polyurethane. Max width 30 mm																																			
	VERTICAL FACING																																			
	Width	Depth	Filling	Fire Rate	Type																															
	20	190		EI 120																																
	10	190		EI 180																																
	30	190		EI 120																																
	10	70	LR	EI 120	D																															
Sealing of services	TECSEL® Graphite Paste	HORIZONTAL	064903-1/2	TECNALIA/06-2017	EN 1366-3																															
Sealing of services	TECSEL® S Paste	HORIZONTAL	064903-1/2	TECNALIA/06-2017	EN 1366-3																															
Sealing of services	TECBOR® Joint Paste ready to use	HORIZONTAL	064903-1/2	TECNALIA/06-2017	EN 1366-3																															
Sealing of horizontal services	TECSEL® Big Size Multicollar	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Diámetro</th> <th>Secciones</th> <th>EI 90</th> <th>EI 120</th> <th colspan="2">EI 180 - EI 240</th> </tr> </thead> <tbody> <tr> <td>400 mm</td> <td>20</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> </tr> <tr> <td>350 mm</td> <td>16</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> </tr> <tr> <td>300 mm</td> <td>12</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> </tr> <tr> <td>250 mm</td> <td>8</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> </tr> </tbody> </table>	Diámetro	Secciones	EI 90	EI 120	EI 180 - EI 240		400 mm	20	1	1	1	1	350 mm	16	1	1	1	1	300 mm	12	1	1	1	1	250 mm	8	1	1	1	1	064903-1/2	TECNALIA/06-2017	EN 1366-3	EI 180 - EI 240
Diámetro	Secciones	EI 90	EI 120	EI 180 - EI 240																																
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350 mm	16	1	1	1	1																															
300 mm	12	1	1	1	1																															
250 mm	8	1	1	1	1																															
Sealing of services	TECSEL® S Paste (rock wool + paste)	Sealing of crossing electrical facilities between sectors. Mineral wool thickness: 50 mm (EI 120), 60 mm (EI 180) and 80 mm (EI 240). Thickness	064903-1/2	TECNALIA/06-2017	EN 1366-3																															
Sealing of services	TECBOR® Joint Paste ready to use (rock wool + paste)	Sealing of crossing electrical facilities between sectors. Mineral wool thickness: 50 mm (EI 120), 60 mm (EI 180) and 80 mm (EI 240). Thickness	064903-1/2	TECNALIA/06-2017	EN 1366-3																															
Linear joints	TECSEL® Graphite Paste		064903-1/2	TECNALIA/06-2017	EN 1366-3																															
Linear joints	TECSEL® Flexible Paste		064903-1/2	TECNALIA/06-2017	EN 1366-3																															
Linear joints	TECSEL® Intumescent Mastic		064903-1/2	TECNALIA/06-2017	EN 1366-3																															

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TECSEL® Sealing Systems

SOLUTION		DESCRIPTION		TEST No.	LABORATORY	STANDARD	PROTECTION
Pillows	TECSEL® Pillows	Sealing of crossing services and small gaps.		349128	EXOVA	EN 1366-3	EI 120
Grilles	TECSEL® Grilles	Grilles for ventilation systems		23548	CIDEMCO/11-09	EN 1363-1	EI 60 - EI 180
		VERTICAL FACING					
		Dimensions (mm)	Fire Rate				
		250 x 250 x 40	E 120 I 60				
		250 x 250 x 50	E 120 I 90				
		250 x 250 x 60	E 120 I 120				
		400 x 400 x 60	E 120 I 90				
		400 x 400 x 50	E 120 I 120				
		400 x 400 x 40	E 120 I 90				
		600 x 600 x 60	E 120 I 60				
		600 x 600 x 40	E 120 I 120				
		600 x 600 x 60 + alu	E 120 I 120				
		400 x 200 x 40 x 4 grilles	E 120 I 60				
VERTICAL FACING							
300 x 300 x 50 (double)	EI 180	17219-1					
Bands	TECSEL® Bands	Sealing of PVC pipes (120 mm diameter) on inner partitions		13742	CIDEMCO/05-06	EN 1366-3	EI 120

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TECSEL® Sealing Systems

SOLUTION		DESCRIPTION		TEST No.	LABORATORY	STANDARD	PROTECTION
Collar	TECSEL® Collar	VERTICAL AND HORIZONTAL FACING		FIRES-FR-119-12-AUNE-2	Warrington	BS 476 Part 20	EI 90 - EI 240
		Diameter (mm)	Fire Rate	WFRC 117762/14078			
		82	EI 180	13742			
		160	EI 90	BRE GLOBAL (55 mm - 315 mm)			
		200	EI 240	IFC Collars (200 - 250 mm)			
		250	EI 240				
		315	EI 240				
		110	EI 240	EXOVA WARRINGTON FIRE (110 - 160 mm)	CIDEMCO 05/06	EN 1366-3	
Flexible Sealant	TECSEL® Flexible Sealant	HORIZONTAL FACING		Chilt/ IF11059	CHILTERN 10/11	EN 1366-4	EI 120 - EI 180
		Width x thickness (mm)	Fire Rate				
		120 x 50	EI 180				
		85 x 40	EI 120				
		40 x 20	EI 120				
		30 x 15	EI 180				
		HORIZONTAL FACING					
		Width x thickness (mm)	Fire Rate				
		120 x 50	EI 180				
		85 x 40	EI 180				
		40 x 20	EI 180				
		30 x 15	EI 180				

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TECSEL® Sealing Systems

SOLUTION	DESCRIPTION	TEST No.	LABORATORY	STANDARD	PROTECTION		
Light Cover	TECSEL® Fireproof Light Cover	HORIZONTAL FACING		FG8962/208217708071	BRE	BS 476 Part 23	EI 60
		Dimensions (mm)	Shape				
		150 x 150	Conical				
		200 x 200	Conical				
		250 x 250	Conical				
		300 x 170	Circular				
		350 x 230	Circular				
		1200 x 600	Flat				
		600 x 600	Flat				
Self-Leveling Silicone	TECSEL® Self-Leveling Silicone	HORIZONTAL FACING		28751	CIDEMCO 11/11	PROTOCOL	EI 240
		Width x Depth (mm)	Stuffing				
		15 x 10	LR (100 kg)				
		30 x 20	LR (100 kg)				
		50 x 30	LR (100 kg)				