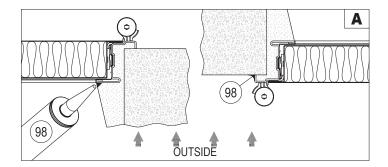


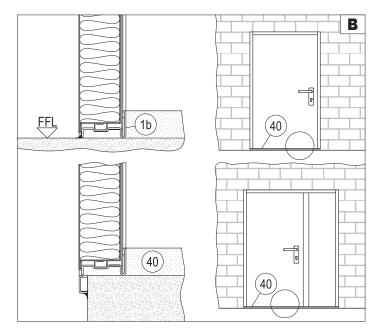
INSTALLATION INSTRUCTION TO CHANGE THE OPENING OP	CHANGE THE OPENING OPENING OF /	ENING OF A UNIVER DOUBLE LEAF DOOR	NÍNZ S.p.A.	171-GB
FROM DX (RIGHT) TO SX (LEFT)			I-38061 ALA (TN) / ITALY	3/5
				0 o
the opening pull in SX (left) follow the next easy linestructions.	Remove part of the thermo expanding gasket FC, 3 unscrew the two screws and remove the central lock. 3	Remove the upper and lower external plates.	4 Remove the lower rod and the respective angle bar.	/e angle bar.
Remove the upper rod, the upper device and the 5 respective angle bar.	Turn the upper device on its support and insert the rod on 7 the opposite side of the leaf respect the starting position.	Screw the upper device with its own angle bar with the screw M5.	Screw the internal, lower guiding angle by the self- tapping screw and insert the rod.	le by the self-
			Instruction of the door	
Insert the central lock with the hook drive turned look down. Make sure that the two rods will be coupled.	Screw the lock (M6 screw) and stick again the thermo ex- 10 panding gasket FC, add if necessary two drops of silicone. 11	Screw again the upper and lower external plates (M5 screw on device side).	Go ahead following the general installation instruction 12 of the door.	tion instruction

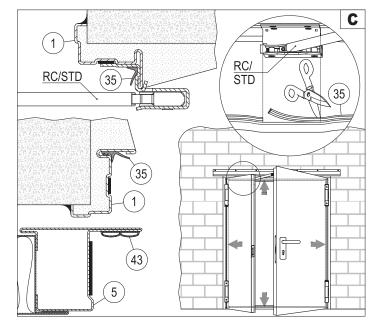
INSTALLATION, APPLICATION AND MAINTENANCE HANDBOOK FOR UNIVER EI₂ 60 FIRE-RATED DOUBLE-LEAF DOORS

4/5

GENERAL NOTES STANDARD: the assemble instructions ha closing. Furthermore a regular service is n		ery detail to respect the	test conditions and assure the perfect fur	nctioning of the door, including the self-
LIABILITY: it is duty of the installer to follow safety of the end-users.	w the installation instruc	tions in any detail, spec	ifically point 2, 8, 11 and 12 reported at pa	ages 1 and 2, in order to guarantee the
MASONRY WORKS: it's under customer's page 2 of the present instructions and to k	s responsibility to execu keep the wall integral in	te the brickworks accord particular in the anchor	ding to the norm EN 1634-1, to fill the fran points of the door.	mes with grout as indicated in box 8 on
FINISHING: the serial door is finished with In case an additional paint is desired we a - make smooth the surfaces with sandpap - apply a base coat of semi-gloss acrylic (- finish the surfaces with enamels or paint	advise to follow these ins per and dust them; (suggested product: AC	structions:		
CLEANING: the doors are supplied from the	he factory clean and pa	cked. We suggest to us	e a clothe and soaped water only. Do not	scratch the surfaces.
WARRANTY: the manufacturer gives warr remark in the delivery notes and must be r	ranty as per Italian law (notified the maximum w	(C.C.1495). Any claim fo ithin eight days from the	or missing or damaged goods have to be a date of materials receipt.	recorded by inserting a written
Hinges: CE0789	7/CPD/4265/11 - E 9-CPD-2005 - E D-0425-1153 - E	N 12209:2003/AC - N 1935:2004 - N 1158:2003 -	3 M 3 1 0 C 2 H A 2 0 4 7 7 1 1 4 0 14 3 5 5/3 1 1 4 panic bar or emergency handle is installe	ed onto main leaf.
USE AND MAINTENANCE INSTR All fire-rated doors need regular maintena the leaf swings correctly and that the self of	ance in order to verify th	at no damage occurred		uled maintenance shall guarantee that
Any 5.000 opening cycles but at least ever - lubricating the ball-bearing hinge; - lubricating the spring hinge and the sprin - wind up the spring inserting the tension - lubricating the lock and the latch; - verify the functionality of the secondary l - clean the hole of the floor catch set; - lubricate the lock and the rod blocking d - verify the regular functionality of the close	ng after removing the te pin. Verify that the closi leaf's rods and lubricate levice (top);	ension pin; ng force is sufficient to s e its guide rail;	shut the door if opened to 30±2°;	the closing regulator.
Verify the regular functionality of the doors instruction.	s accessories (handle, p	oanic bar, overhead doo	r closer etc.). Their mobile parts shall be	lubricated too, following the dedicated
In case of irregular functioning of the door	r or its accessories conta	act an authorized install	er or replace the damaged accessories.	
Note: for lubrication use viscous products.				
HANDLING AND STORAGE - COI HANDLING: in case of handling with webt ropes produces too much pressure upon t STORAGE: it is duty of the company/pers direct sun rays. If during transportation or t put them in vertical position to dry appropr COMPLAINTS: in case of external visible of to the manufacturer by registered mail wit within 8 days from the delivery date by re manufacturer appointed person.	bing slings/ropes, place the doors, by means of son taking over the doo truck unloading it rains o riately. defects on doors, they h ithin 48 hours. We reme	spacers interposed in th rs to store them in a su or snows on the doors it have to be marked in the ember that according to	e upper part. Do not handle the leaves us itable place so that they will be protected is necessary to remove immediately the r copy of the transportation document to b our general conditions intrinsic defects h	sing suction caps. d from the natural agents and from the hylon film from each leaf and doorframe e returned to the forwarder and notified have to be notified to the manufacturer
Move the materials			Assemble by	Do not expose the
with appropriate means.	Store and h materials v		qualified staff only.	materials to the naturals agents.







ATTENTION

The RC closing regulator is obligatory only for two-leaved fire rated doors.

COMPLEMENTARY INSTALLATION INSTRUCTIONS FOR UNIVER FIRE-RATED DOORS WITH ENVIRONMENTAL CHAR-ACTERISTICS AND PROVIDED WITH APPROPRIATE OPTIONAL

ATTENTION

- If the UNIVER door should provide also environmental characteristics, these complementary installation instructions must be strictly followed, **then without remove the threshold.**
- The installation with push-side exposed outside is not suitable for escapes routes and also the water-tightness will be lost too.

COMPLEMENTARYINSTALLATION INSTRUCTIONS

- Protect the door from direct weathering action. If necessary, install a canopy roofing immediately above it, which prevent the water infiltration in the upper part of the door.
- If the door was ordered without a coating for exterior use, it is duty of the customer to apply a suitable paint, by following the instructions in the dedicate section for re-painting of surfaces.

Drawing A

- It is necessary to seal with neutral silicone (98 - not supplied) the perimeter edge of doorframe, in the angle formed with the external side of the wall.

Drawing B

- The installation with threshold is mandatory, in order to achieve the expected environmental characteristics.

If the door is installed into an escape route, is necessary to make a rising (40) of the floor level (FFL), in order to conceal the threshold (1b).

Drawing C

KIT AMB U series, with performances of: thermal transmittance, air permeability, water-tightness and resistance to windload. Only for doors installed with the push side inside.

- Cut the FF rebate sealing to measure. Insert those of type (35) into appropriate channels (showed in drawing by arrows) of the doorframe (1). In case of two-leaved door, the application of the other self-adhesive (43) on the central joint of the passive leaf (5) is needed too. Place the sealings with profiles turned as shown in sections.



TABELLA RIASSUNTIVA RAPPORTI DI PROVA DITTA NINZ - PORTE TAGLIAFUOCO

modello	classe	ante	soglia	misure	finestratura 400x600	classificazione	n° RP
UNIVER	E60, EI30, EI60, EI90, RE90, REI60, REI120	1	BATTUTA INFERIORE	889x2147	Aria, Acq, Ven	2, 2A, C2	09/01/2010
UNIVER	EI60, EI90, RE90, REI60, REI120	2	BATTUTA INFERIORE	2004x2147	Aria, Acq, Ven	3, 3A-9B, C2	09/54/2010

TRASMITTANZA TERMICA				trasmittanza termica (W/m²K)			
modello	classe	ante	soglia	misure	finestratura 300x400	senza finestratura	n° RP
UNIVER	E60, EI30	1	BATTUTA INFERIORE	1230x2180		1,58	09/40/2010
UNIVER	EI60	1	BATTUTA INFERIORE	1230x2180	2,01	1,49	09/33/2010
UNIVER	RE90, REI60	1	BATTUTA INFERIORE	1230x2180	2,09	1,58	09/34/2010
UNIVER	EI90, REI120	1	BATTUTA INFERIORE	1230x2180	1,94	1,49	09/35/2010
UNIVER	EI60 > 3,6 m ²	2	BATTUTA INFERIORE	2000x2180	2,15	1,52	09/51/2010
UNIVER	EI60 ≤ 3,6 m ²	2	BATTUTA INFERIORE	1230x2180	2,91	1,88	09/51/2010
UNIVER	RE90, REI60 > 3,6 m ²	2	BATTUTA INFERIORE	2000x2180	2,19	1,62	09/52/2010
UNIVER	RE90, REI60 ≤ 3,6 m ²	2	BATTUTA INFERIORE	1230x2180	2,92	1,99	09/52/2010
UNIVER	EI90, REI120 > 3,6 m ²	2	BATTUTA INFERIORE	2000x2180	2,06	1,51	09/53/2010
UNIVER	EI90, REI120 ≤ 3,6 m ²	2	BATTUTA INFERIORE	1230x2180	2,78	1.88	09/53/2010

