INSTALLATION, USE AND MAINTENANCE HANDBOOK FOR EI, 90 FIRE-RATED DOUBLE-LEAF UNIVER DOORS

 NINZ s.p.A.
 I76-GB

 corso Trento, 2/A
 5001513/2

 I-38061 ALA (TN) / ITALY
 07/16

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ī> Opening pull left (SX) If not required specifically, the reversible sec. leaf UNIVER DOUBLE LEAF door will be standard Spring hinge delivered with opening "PULL RIGHT". Opening pull right (DX) To change the opening pull from RIGHT to FFL LEFT, follow the instructions on page 3. Unpack the door being careful do not throw away the FC thermo expanding gasket (included in package) that will be used for the operation in pos. 9. For door with ENVIRONMENTAL Verify the correspondence of the door's measures (printed on the white sticker applied on the doorframe) with the wall opening and the opening direction. Fix the hinge frame on the secondary leaf putting in the pin for the spring CHARACTERISTICS see also the enclosed Establish the Finished Floor Level (FFL). Make sure that the walls are made hinge (X) and screwing on without overtighten both the socket set screws of complementary installation instructions. of blocks, bricks or homogeneous cement with a density of 1200±400 Kg/m³ the ball bearing hinge (Y). Perform the operation very carefully. Insert on the and a thickness of min. 150mm. top and bottom the two spacers (Z) in equipment. entral To make easier the following operation, release the prefixed screws (4a) of the angle bars (4b) placed at top and bottom of the central joint. Fix the Once established the finished floor level (FFL) and decided that the door will two transoms to the inactive leaf and screw them with the screws (4d) in Join together the two transoms and the other hinge doorframe with the fixing be leaned without bottom frame, cut the jutting out fin of the lower transom so flaps. Bend the flaps on the four corners to block the frame. equipment with the handle box. Fix very well all screws. to lay the profile correctly on the finished floor level. 0 0 0 0 0 0 ≈6 ≈6 FFL Install the principal door leaf and check that the two leafs are positioned at the Fill up the space between the doorframe and the wall with mortar (detail A) same height (see point 2). Temporarily immobilize the door in the wall space, without bending the doorframe and covering it with plaster. Remove the angle using a FFL level, true to the wall, the finished floor and the parallel walls and Bend up the frame-brackets and mark on the wall their positions respecting bars (part. 4b - draw. 4) to set free the inactive leaf. It is imperative to rethe FFL level. Create the holes in the wall for the brackets. fix the wall anchors with quick drving cement. tighten both screws (4a) at top and bottom of inactive leaf. Check the leeway

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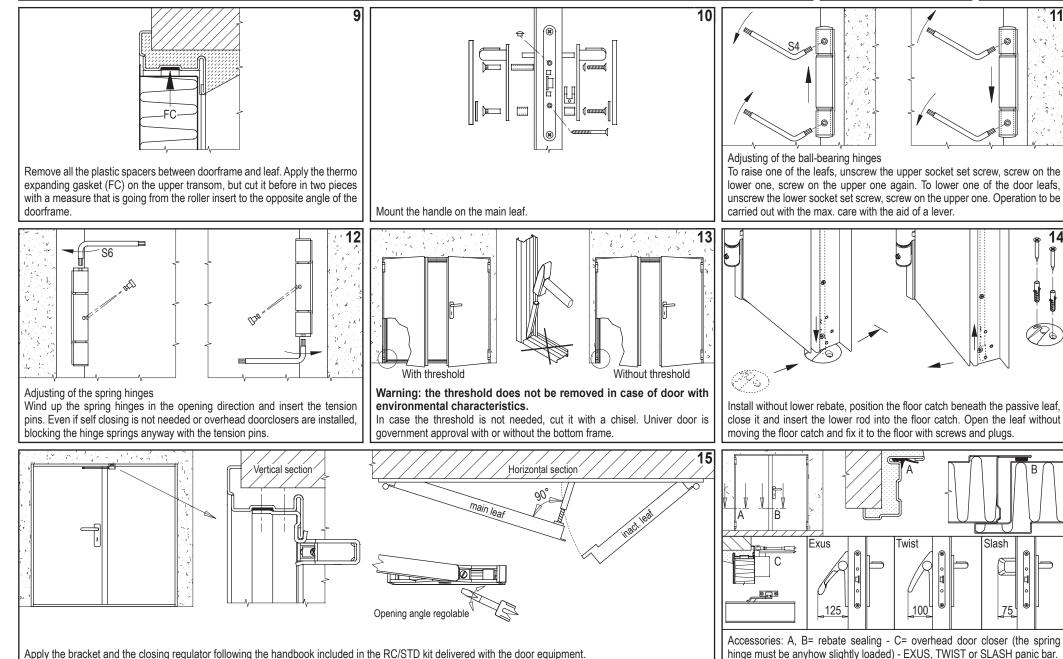
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Slash

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INSTALLATION INSTRUCTION TO CHANGE THE OPENING PULL OF A UNIVER DOUBLE LEAF DOOR FROM DX (RIGHT) TO SX (LEFT)

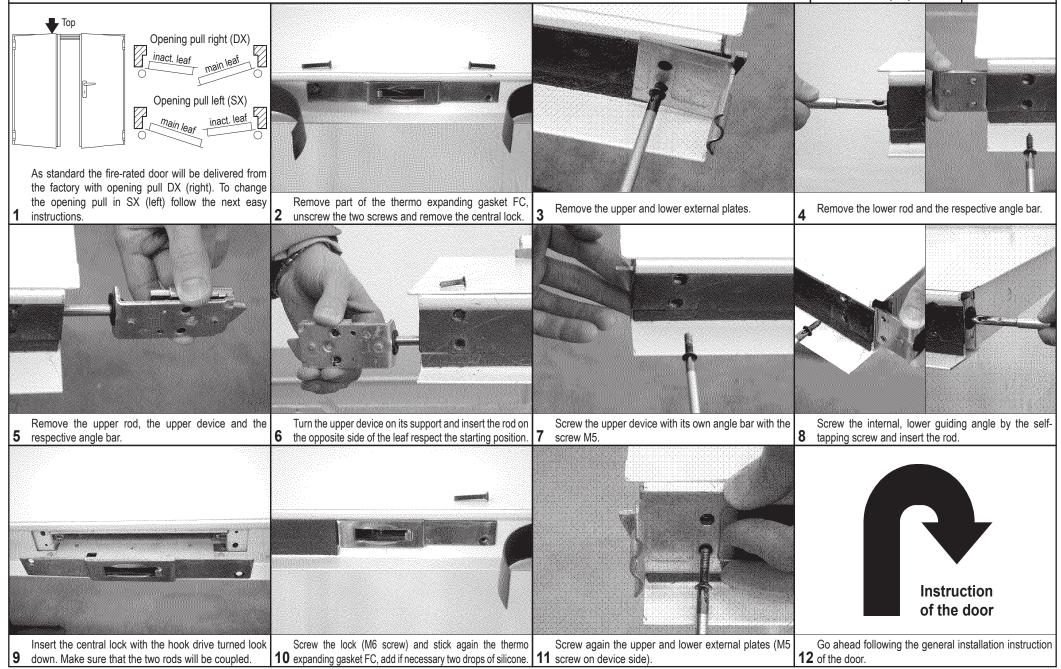
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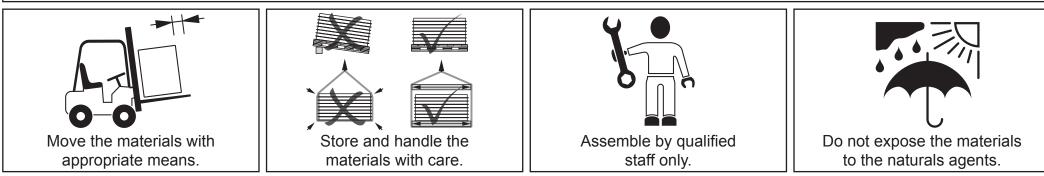
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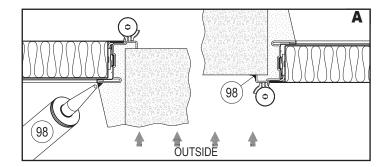
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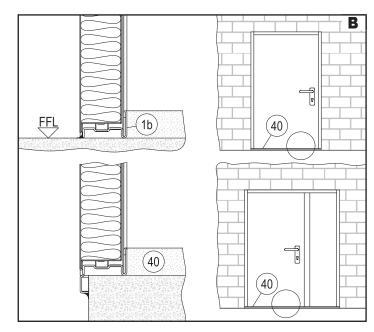
GENERAL NOTES STANDARD: the assemble instructions have to be followed in every detail to respect the test conditions and assure the perfect functioning of the door, including the self-closing. Furthermore a regular service according to Decree 10th March 1998 is necessary. LIABILITY: It is duty of the installer to follow the installation instructions in any detail, specifically point 2, 8, 11 and 12 reported at page 1 and 2, in order to guarantee the safety of the end-users. MASONRY WORKS: It's under customer's responsibility to execute the brickworks according to the norm EN 1634-1, to fill the doorframes with concrete as indicated in box 8 on page 1 (detail A) of the present instructions and to keep the spring hinges and the springs inserting the tension pins. FINISHING: the serial door is finished with an epoxy-polyester powder paint is desired we advise to follow these instructions: The surface instructions to full be concrete an additional paint is desired we advise to follow these instructions: • make smooth the surfaces with sandpaper and dust them; • OW have predict for concrete to lock and the set;
 - apply a base coat of semi-gloss acrylic (suggested product: ACRILFIN SL series 567 + 20% by weight aliphatic hardener series E872003 - made by ELCROM, Italy); - finish the surfaces with enamels or paints to your choice. CLEANING: the doors are supplied from the factory clean and packed. We suggest to use a clothe and soaped water only. Do not scratch the surfaces. WARRANTY: the manufacturer gives warranty as per Italian law (C.C.1495). Any claim for missing or damaged goods have to be recorded by inserting a written remark in the delivery notes and must be notified the maximum within eight days from the date of materials receipt. CURRENT C€ MARKED ACCESSORIES FOR FIRE-RATED DOORS: Std015 lock: C€ 0497/CPD/4265/11 - EN 12209:2003/AC - 3 M 3 1 0 C 2 H A 2 0 Hinges: C € 0789-CPD-2005 - EN 1935:2004 - 4 7 7 7 1 1 4 0 14 RC/STD closing regulator: C € CPD-0425-1153 - EN 1158:2003 - 3 5 5/3 1 1 4 The C€ marking of the Std 019 lock for inactive leaf of two-leaved doors is only valid if a panic bar or emergency handle

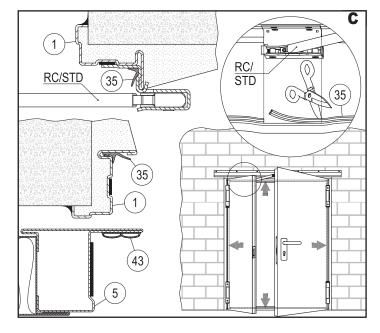
HANDLING AND STORAGE - COMPLAINTS

HANDLING: in case of handling with webbing slings/ropes, place them under the feet of the pallet; avoid to place them under the boards; avoid that the action of slings/ropes produces too much pressure upon the doors, by means of spacers interposed in the upper part. Do not handle the leaves using suction caps. STORAGE: it is duty of the company/person taking over the doors to store them in a suitable place so that they will be protected from the natural agents and from the direct sun rays. If during transportation or truck unloading it rains or snows on the doors it is necessary to remove immediately the nylon film from each leaf and doorframe put them in vertical position to dry appropriately. COMPLAINTS: in case of external visible defects on doors, they have to be marked in the copy of the transportation document to be returned to the forwarder and notified to the manufacturer by registered mail within 48 hours. We remember that according to our general conditions intrinsic defects have to be notified to the manufacturer within 8 days from the delivery date by registered mail. Goods with defects never have be utilized or assembled, they should be stored at disposal for controls by the manufacturer appointed person.









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.

COMPLEMENTARY INSTALLATION 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

