

## **USE AND MAINTENANCE MANUAL FOR USER**

**Rev. 01- 10/06/2022**

**PRODUCER: Pellegrino s.r.l.**

**Via Fossombrone, 2 – 48124 – Ravenna – (Ra)**

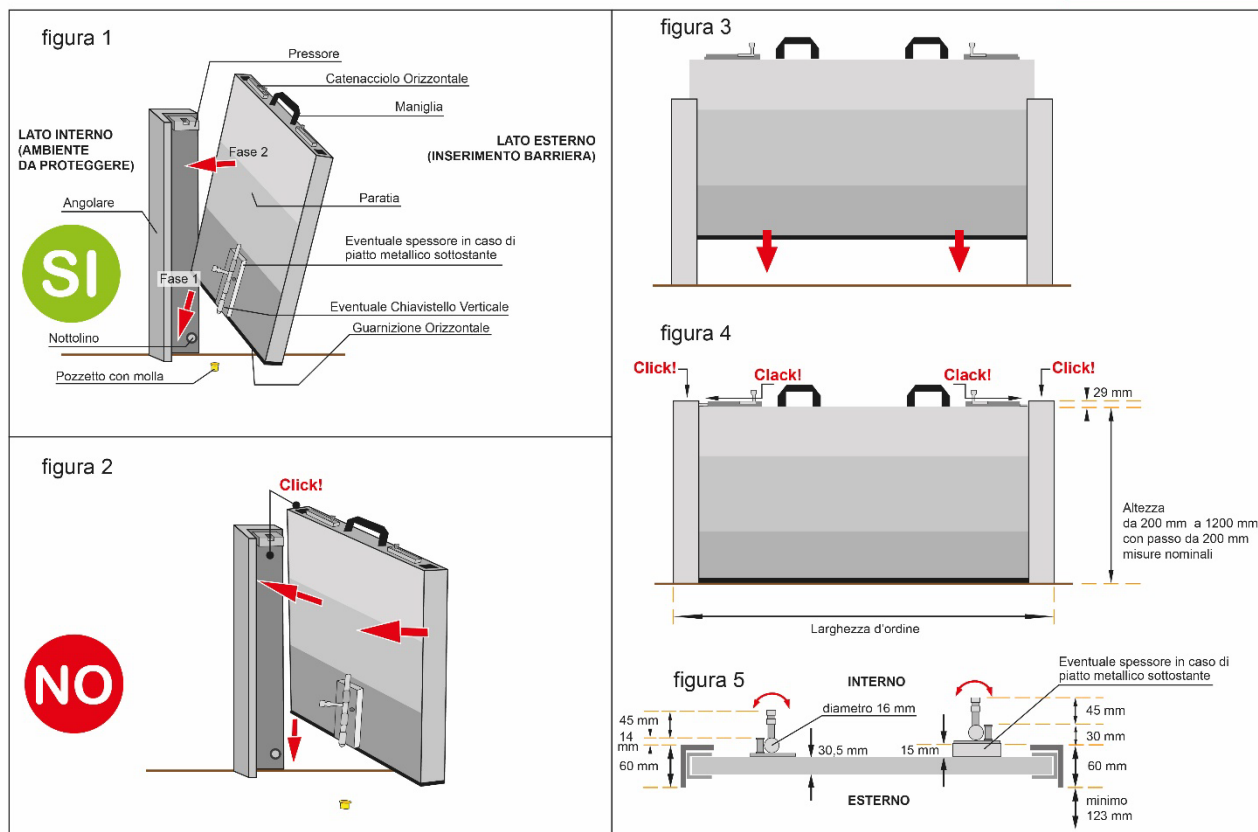
**MODEL: RAPID anti-flooding barrier**

**USE: limits flood damage!**

The product complies with ift guideline FE-07/01

**DISEGNO 6**  
**POSIZIONAMENTO BARRIERA RAPID**

**BREVETTATA**



Drawing 6, depicts the Rapid model anti-flood barrier for static water, it is designed to limit flood damage, it is composed of a main panel made up of one or more profiles above the first and joined together using a particular method, equipped with sealing gaskets at the 3 sides (right left and below) and of a roller at both upper ends, it is comprised of detached side angle profiles to be fixed to the side surface, to which a barrier retaining pawl is fixed at the bottom on each side, while the presser at the top has a groove that functions as a retaining pawl for the horizontal bolt slider, fixed at the top near the end of the barrier panel. Above the 170.1 cm width, there are also a variable number of vertical latch bolts, which are fitted into appropriate holes to be made in the threshold.

**INDICATION OF USE:** the product is indicated exclusively for limiting flood damage with water without wave motion, up to the dimensions tested by the Istituto Giordano S.p.a., strictly adhering to all guidelines provided up-to-date by the manufacturer at the site:

[www.paratieantiallagamentorapide.com](http://www.paratieantiallagamentorapide.com)

## CARTELLI PERICOLI LATO INTERNO BARRIERA



[www.paratieantiallagamentorapide.com](http://www.paratieantiallagamentorapide.com)

## CARTELLI PERICOLI LATO ESTERNO BARRIERA



[www.paratieantiallagamentorapide.com](http://www.paratieantiallagamentorapide.com)

### DEFINITION OF ROLES

The writer, who will later be defined as the MANUFACTURER, usually supplies an authorised reseller CUSTOMER whom we will then define as the SELLER who in turn will sell with or without an installation service to the end Buyer or the end user whom we will both define as the "RESPONSIBLE" or "FINAL

RESPONSIBLE", who must obtain a report and subsequent certification of staticity from a professional structural engineer recognised by the state and with the power to stamp and sign the project, whom we will define as DESIGN ENGINEER, but in the absence of his intervention in the case, by the "responsible party" the latter will be elevated to the role of designer and will be defined as such assuming all the responsibilities of the case and its result with the relative consequences, for simplicity in writing the manual, the definitions may be named with various declinations.

## **1 SAFETY (GENERAL SAFETY INFORMATION)**

- a. **ATTENTION!!!** PRIOR TO INSTALLATION, THE FINAL PURCHASER MUST HAVE A STATIC DESIGN REPORT STAMPED AND SIGNED BY A QUALIFIED STRUCTURAL ENGINEER RECOGNISED BY THE STATE WITH A VALID REGISTRATION STAMP AND SIGNATURE POWER RECOGNISED BY THE STATE (DESIGN ENGINEER), WHO WILL THEN ISSUE A CERTIFICATE OF STATICITY ONCE THE WORK IS COMPLETE, THE REPORT WILL CALCULATE THE SURFACES, FASTENINGS THE VARIOUS FORCES IN PLAY INCLUDING HYDROSTATIC OR IMPACT FORCES UP TO A COMPLETE PICTURE OF THE VARIOUS DANGERS AND ANY NEW WARNINGS ALSO OF ADDITIONAL ELEMENTS, ITS INDICATIONS ARE TO BE UNDERSTOOD AS PEREMPTORY AND INVALIDATE THE MANUFACTURER'S GUIDELINES FOR BOTH THE INSTALLER AND THE PERSON RESPONSIBLE FOR THE BARRIER, THE REPORT MUST BE PERPETUATED FOR EACH INDIVIDUAL BARRIER, IN THE ABSENCE OF THE REPORT THE PERSON RESPONSIBLE IS ELEVATED TO "DESIGNER" WITH ALL THE RELEVANT RESPONSIBILITIES.
- b. **A COPY OF THE STATIC REPORT MUST BE ISSUED TO THE AUTHORISED INSTALLER.**
- c. **IN THE EVENT THAT THE DESIGN ENGINEER DOES NOT CARRY OUT THE STATIC CERTIFICATION OF THE INDIVIDUAL BARRIER DUE TO A NEGATIVE OPINION ON THE WORK OF THE MANUFACTURER'S AUTHORISED INSTALLER, THE SELLER AND THE MANUFACTURER MUST BE NOTIFIED IMMEDIATELY IN WRITING; IN THE MEANTIME, THE BARRIER MUST NOT BE USED FOR ANY REASON WHATSOEVER. WARNING: DANGER TO LIFE!!!**
- d. NEVER OPEN THE BARRIER IN THE EVENT OF FLOODING, THE FORCES RELEASED MAY BE GREATER THAN HUMAN STRENGTH, BEWARE! DANGER OF DEATH.
- e. ATTENTION! TO POSSIBLE THEFT OR INAPPROPRIATE USE BY PASSERS-BY SLIPPING THROUGH THE BARRIER.
- f. ATTENTION! IN THE EVENT OF FLOODING, THE HOUSE MUST HAVE NO OTHER POSSIBLE POINTS OF WATER PASSAGE BELOW THE BARRIER, SUCH AS CRACKS; VENTILATION HOLES (KITCHEN; FIREPLACE; CRAWL SPACE ETC.); ANTI-BACKFLOW VALVES IN THE VARIOUS PIPES; ETC.
- g. ATTENTION!!! IN THE CASE OF WIND, PAY CLOSE ATTENTION TO THE DANGER OF IT BEING PUSHED, WHEN MOVING OR POSITIONING THE BARRIER BEFORE INSERTING THE SIDE BOLTS.
- h. THE POSSIBLE FORMATION OF CRACKS IN THE UNDERLYING SURFACE WITHOUT IT RESTING ON A FOUNDATION AND THEREFORE ONLY HAVING THE PRESENCE OF EARTH OR SAND ARE DANGEROUS, MOREOVER, THE POSSIBLE PRESENCE OF THE AFOREMENTIONED MATERIALS AND OR SIMILAR, VARY THE SUPPORT SURFACE AND ITS ADEQUATE LEVEL, AFFECTING THE TIGHTNESS OF THE BARRIER IN THE EVENT OF HUMIDITY OR DRYNESS.
- i. ATTENTION! DO NOT DAMAGE THE VARIOUS SURFACES WHEN HANDLING THE BARRIER.
- j. SEALS DO NOT HAVE A DEFINED WEAR TIME, BUT AFTER 5 YEARS IT IS CERTAINLY RECOMMENDED TO HAVE THEM CHANGED BY THE MANUFACTURER.
- k. BEFORE PURCHASING THE BARRIER, THE PERSON IN CHARGE SHALL ACTIVATE A CONTRACT WITH A LEADING INSURANCE COMPANY, WHICH SHALL BE LIABLE FOR ANY DAMAGE, EVEN FROM THE SLIGHTEST INFILTRATION OF WATER INTO THE ROOM, ESPECIALLY IF PAVED

WITH PUTRESCIBLE MATERIAL, FOR EXAMPLE, AND SHALL INDEMNIFY THE MANUFACTURER AND THE AUTHORISED INSTALLER AGAINST ANY CLAIMS FOR DAMAGES, FOR THEMSELVES, THIRD PARTIES, PROPERTY, PERSONS OR ANIMALS, ETC.

- i. THE PERSON IN CHARGE SHALL HAVE ALL MAINTENANCE OPERATIONS CARRIED OUT BY PERSONNEL AUTHORISED BY THE MANUFACTURER AT THE TIME OF SERVICING, REPLACEMENTS MUST BE CARRIED OUT WITH ORIGINAL SPARE PARTS, AND MUST BE WRITTEN AND SIGNED BY HIM IN THE USE AND MAINTENANCE BOOKLET, THEY MUST ALSO BE ACCOMPANIED BY HIS TAX DOCUMENT WITH HIS NAME ON IT, WHICH MUST BE PRODUCED WHEN ANY CLAIMS ARE MADE.
- m. THE "BARRIER RESPONSIBLE" IS ALSO RESPONSIBLE FOR THE MISCELLANEOUS OPERATIONS OF MOVEMENT, REMOVAL AND THE CORRECT STORAGE AND CORRECT OPERATION OF THE BARRIER ITSELF.
- n. ATTENTION! GENERAL HAZARDS, EVEN VERY SERIOUS ONES, IN HANDLING AND POSITIONING THE BARRIER, E.G: CRUSHING OF LIMBS; SHEARING OF LIMBS; TRIPPING HAZARD; HOT SURFACE; SLIPPERY SURFACE; CUTTING HAZARD; ALLERGIC REACTION TO BARRIER MATERIAL; ALLERGY TO BARRIER APPLICATION SURFACE; ETC.
- o. ATTENTION! WHEN USING LUBRICANTS, DO NOT DISPERSE INTO THE SURROUNDINGS, DANGER OF SLIPPING WITH EVEN SERIOUS CONSEQUENCES UP TO AND INCLUDING DEATH.
- p. **ATTENTION!** DO NOT ALLOW ANY LIVING CREATURE TO STAND BEHIND THE BARRIER IN THE EVENT OF FLOODING, AS, ON THE BASIS OF HYDROSTATIC FORCES, THERE IS A DANGER OF LANDSLIDES OR COLLAPSE OF THE LATERAL SURFACES AND UPLIFT OF THE SURFACE TO WHICH THE BARRIER IS ATTACHED IN ADDITION TO THE SURFACE INSIDE THE ENVIRONMENT TO BE PROTECTED, RESULTING IN EXTREMELY DANGEROUS AND VIOLENT FLOODING EVENTS.
- q. CHECK THAT THE USE OF LIQUID PRODUCTS IN GENERAL, BUT MORE SPECIFICALLY THOSE SUGGESTED, DO NOT IRREMEDIABLY ALTER THE QUALITY AND AESTHETICS OF THE SURFACES WITH WHICH THEY WILL COME INTO CONTACT; IF THEY ARE FLAMMABLE, TAKE CARE NOT TO CREATE SPARKS OR OTHER TYPES OF IGNITION, A FIRE HAZARD.
- r. THE PERSON IN CHARGE DECIDES WHETHER OTHER APPROPRIATE PERSONS ARE NEEDED FOR THE VARIOUS OPERATIONS DESCRIBED, TO ASSIST HIM OR HER.
- s. AFFIX AND REPLACE ANY RIGID AND/OR ADHESIVE SIGNS WARNING OF POSSIBLE ENCAMPMENT OR MELTING IN THE VICINITY OF THE LOWER METAL THRESHOLD PROFILE.
- t. WHEN TRANSFERRING OWNERSHIP OF THE BARRIER TO SOMEONE ELSE, THE PERSON RESPONSIBLE ALSO HANDS OVER THE OPERATING AND MAINTENANCE MANUAL, MAKING SURE THAT ALL POINTS ARE READ, AND MAKES SURE THAT THE NEW OWNER LOGS ON TO THE [www.rapid.sm](http://www.rapid.sm) WEBSITE AND SENDS ALL THE CORRECT DATA FOR HIS OR HER IDENTIFICATION, INCLUDING CONTACT DETAILS, SO THAT HE OR SHE CAN BE KEPT INFORMED OF ANY RECALL ISSUES.
- u. TO DATE, NO OTHER DANGERS ARE KNOWN AND HAVE NOT BEEN REPORTED, BUT IN ORDER TO STAY INFORMED, UPDATE BEFORE USE,
- v. WITH ANY NEW REVISION OF THE MANUAL THAT IS PUBLISHED ON THE WEB [www.rapid.sm](http://www.rapid.sm)
- w. COMPULSORY USE OF SAFETY GLOVES WHEN HANDLING THE BARRIER, **ATTENTION TO 'SHARP-EDGED' PARTS.**

## PRODUCT DESCRIPTION

- x. BARRIER COMPONENTS  
STAINLESS STEEL

GALVANISED STEEL  
EXTRUDED ALUMINIUM  
POLYURETHANE RUBBER  
BRASS (EVENTUALLY PITCH or LATCH)  
SILICONE-BASED SEALANT  
SILICONE OIL  
GLASS-FIBRE REINFORCED TECHNO POLYMER

y. INTENDED USE AND ENVIRONMENT

THE PRODUCT IS DESIGNED FOR MOMENTARY WATER FLOODING IN THE ABSENCE OF WAVE MOTION. IT CAN BE USED IN ANY SUITABLE ENVIRONMENT, WHICH PERMITS THE CORRECT USE OF THE PRODUCT AND ITS MATERIALS, EXCLUSIVELY FOR THE STATED PURPOSE.

## **2 TECHNICAL DATA**

a. HYDRAULIC THRUST RESISTANCE

IN ACCORDANCE WITH THE CERTIFICATE OF THE GIORDANO S.P.A. INSTITUTE, IT IS RECOMMENDED THAT, FOR SAFETY REASONS, THE CALCULATION OF THE FASTENINGS TO THE SUPPORT SURFACE AND ANY OTHER ELEMENTS FOR THE INSTALLATION OF THE BARRIER, ESPECIALLY IF THE SURFACE AND USE IS DIFFERENT FROM THE TEST CARRIED OUT BY THE MANUFACTURER AT THE GIORDANO S.P.A. INSTITUTE, MUST BE CARRIED OUT BY A DESIGN ENGINEER, WHO SHALL ISSUE A STAMPED AND SIGNED STATIC REPORT AND STATIC CERTIFICATION LATER ON BEFORE THE BARRIER IS USED, WHICH SHALL ISSUE AN APPROPRIATE TEST CERTIFICATE UPON COMPLETION OF THE WORK.

b. TECHNICAL LABEL

THERE IS NO MANDATORY EUROPEAN LEGISLATION, WE ATTACH TWO STICKERS TO THE BARRIER INDICATING CERTAIN DANGERS AND ITS CORRECT DIRECTION, BUT ABOVE ALL A REMINDER TO CONSULT THIS MANUAL BEFORE ANY OPERATION WITH THE BARRIER.

## **3 TRANSPORT AND INSTALLATION**

a. HANDLING AND TRANSPORT OPERATIONS ARE THE RESPONSIBILITY OF THE RETAILER OR THE END CUSTOMER, THE MANUFACTURER UNDERTAKES TO ORGANISE AND HAVE THE PRODUCT TRANSPORTED BY COURIER ON BEHALF OF THE AFOREMENTIONED, USING SUITABLE PACKAGING TO PRESERVE THE INTEGRITY OF THE SAME UNTIL DELIVERY TO THE AFOREMENTIONED, THE TRANSPORT IS CARRIED OUT WITH INSURANCE OF THE TOTAL AMOUNT OF THE GOOD, WHO RECEIVES THE GOOD MUST REPORT AT THE TIME AND IN THE DOCUMENT THAT WILL BE ASKED TO SIGN BY THE COURIER, EVEN THE SLIGHTEST SUSPICION OF A MINIMUM DAMAGE, UNDER PENALTY OF LOSS OF ANY POSSIBILITY TO REQUEST REFUND OF ANY EVEN MINIMAL DAMAGE AND TO WHOEVER. ANY DAMAGE TO THE PRODUCT CAUSED BY DISASSEMBLY OR SUBSEQUENT HANDLING OR TRANSPORT AFTER INSTALLATION IS NOT COVERED BY WARRANTY.

b. INSTALLATION

ASSEMBLY OF COMPONENTS, INSTALLATION MUST ONLY BE CARRIED OUT BY SPECIALISED AND QUALIFIED TECHNICAL PERSONNEL RECOGNISED IN WRITING BY THE MANUFACTURER, ARE THE RESPONSIBILITY OF THE RETAILER OR END USER, WHO MUST MAKE USE OF SUCH A PERSON, UNDER PENALTY OF FORFEITING THE WARRANTY.

## **USE**

## **4 WARNINGS:**

- a. **ATTENTION! THE USER AND ANY EMPLOYEES MUST LEARN THE INSTRUCTIONS IN THIS MANUAL BY HEART BEFORE ANY USE OF THE PRODUCT.**
- b. WEATHER WARNINGS: EVERY TIME A WEATHER WARNING IS ISSUED, VARIOUS AUTHORITIES ISSUE BULLETINS INDICATING CERTAIN PROCEDURES, AMONG WHICH WE EMPHASISE, THAT OF SECURING AGAINST THE RISK OF FLOODING, CLEARING BOTH BASEMENT AND GROUND FLOORS OR OTHER AREAS POTENTIALLY AT RISK OF FLOODING, OF ALL VALUABLES.
- c. REMEMBER THAT MODEST WATER INFILTRATION IS ALWAYS POSSIBLE AND CAN BE CONTAINED WITH RAGS OR SACKS OF SAND OR OTHER ABSORBENT MATERIAL AND, IF NECESSARY, SUITABLE CONTAINERS FOR ITS COLLECTION.
- d. THE BUYER IS ELECTED AS THE FIRST PERSON TO BE IN CHARGE, WHO MAY SUBSEQUENTLY APPOINT ANOTHER PERSON OTHER THAN HIMSELF, BUT INFORMING THE SELLER IN ADVANCE AND IN WRITING (SURNAME, FIRST NAME AND CONTACT DETAILS), FOR EXAMPLE AT THE TIME OF THE TRANSFER OF THE PROPERTY OR A DEPUTY MANAGER IN THE EVENT OF HIS ABSENCE, WHO, HOWEVER, HAS ACQUIRED THE SAME NOTIONS AND TAKES THE SAME CARE OF THE BARRIER AND WHO IS ABLE TO REPEAT BY HEARTH ALL THE OPERATIONS THAT WE WILL LIST BELOW, ALL THE ACTORS, MUST MANAGE THE BARRIER LIKE A "GOOD FATHER IN THE FAMILY".
  - 1.1 USE ALL THE NECESSARY CERTIFIED **P.P.E. (PERSONAL PROTECTIVE EQUIPMENT)**, ACCIDENT-PREVENTION, NON-SLIP AND ACID-PROOF SHOES, GOGGLES FOR FULL EYE PROTECTION, ANTI-NOISE EARMUFFS, PROTECTIVE HELMET, ANTI-CRUSH AND ANTI-SLIP GLOVES FOR INSERTING THE BARRIER IN THE APPROPRIATE SLOTS, COMPLETE AND APPROPRIATE TIGHT-FITTING AND NON-FLUTTERING PROTECTIVE CLOTHING, FIRST-AID KIT AS PER D. L.G.S. 81-08 EX 626 DM 388 (WITH TOURNIQUET), ETC. AND ALL OTHER P.P.E. THAT THE GOOD SENSE OF THE FAMILY MAN IN CHARGE OF THE BARRIER FORESEES AS NECESSARY, FOR HIMSELF AND ANY VARIOUS COLLABORATORS. WARNING! THE DANGER OF SHEARING AND THE EXISTING DANGER OF SHEARING CAN LEAD TO THE DANGER OF DEATH!!!!
  - e. USE ONLY THE LATEST, CONSTANTLY IMPROVED AND UPDATED USER AND MAINTENANCE MANUAL, DIRECTLY ON THE WEB:  
[www.paratieantiallagamentorapide.com](http://www.paratieantiallagamentorapide.com), IN THE EVENT OF INABILITY TO CONNECT TO THE WEB, OBTAIN FROM THE VENDOR THE LATEST REVISION OF THE PRINTED MANUFACTURER'S USER AND MAINTENANCE MANUAL, REMEMBER THAT ONLY THE FIRST MANUAL IS FREE OF CHARGE THE OTHERS ARE AT COST.
  - f. THE PARTS OF THE BARRIER ARE INEDIBLE AND MUST NOT BE INGESTED; SOME LIVING BEINGS MAY HAVE ALLERGIES TO ITS MATERIALS THAT ARE MORE OR LESS OBVIOUS AND SEVERE.

## 5 BARRIER STORAGE

READ STORAGE FACILITY

## 6 CHECKS AND ACTIONS BEFORE BARRIER PLACEMENT

- a. THE PERSON IN CHARGE DOES NOT INSTALL THE BARRIER UNTIL 96 HOURS AFTER COMPLETION OF THE INSTALLATION, TO ALLOW THE SILICONE TO DRY COMPLETELY, ESPECIALLY THE ISOSCELES TRIANGLE-SHAPED SILICONE UNDERNEATH. THE PERSON IN CHARGE CHECKS THAT THE ARCHITECTURAL SPACE STILL HAS THE ORIGINAL GEOMETRY AT THE TIME OF THE FIRST INSTALLATION, ALSO USING SUITABLE TOOLS, CHECKS FOR EXAMPLE, THE ABSENCE OF CRACKS, UNBUSH-HAMMERED THRESHOLDS, LACK OF WEAR, ETC.

- b. THE SUPERVISOR CHECKS THE GOOD OIL TREATMENT OF ARCHITECTURAL SURFACES.
- c. THE RESPONSIBILITY MANAGER CHECKS THAT THE SIDE PROFILES ARE WELL FIXED TO THE WALL AND THAT THE SEALS ARE STILL VALID AND APPROPRIATE, INCLUDING THE SEALS BELOW, SHAPED IN THE FORM OF AN ISOSCELES TRIANGLE WITH TWO 8 mm SIDES (**SEE PHOTO 7**).
- d. THE PERSON IN CHARGE CHECKS BEFOREHAND THAT THE GASKETS AND THE SURFACES TO BE FITTED ARE WELL CLEANED AND MAINTAINED, WITHOUT ANY ABRASION AND THAT THE GASKETS HAVE NOT BEEN CRUSHED BY POOR STORAGE.
- e. THE PERSON IN CHARGE DECIDES ON THE NUMBER OF PERSONS REQUIRED FOR HANDLING, CHOOSES THEM FROM AMONG PEOPLE OF LEGAL AGE WHO HAVE AT LEAST THE QUALITIES OF HAVING BEEN WELL TRAINED BY HIM AND THEREFORE SUITABLE FOR ALL SUBSEQUENT ACTIONS, INCLUDING, FOR EXAMPLE, SUPPORTING THE WEIGHT, HAVING ADEQUATE STRENGTH TO COMPRESS THE SEALS AND TO MAKE THE STOPS OF THE BARRIER ENGAGE IN THEIR SEATS AS WELL AS BEING VERY CAREFUL NOT TO DO OR CAUSE ANY DAMAGE OR INJURY TO THEMSELVES, AS PER THE UPDATED USE AND MAINTENANCE MANUAL.
- f. WEAR AND CAUSE TO BE WORN ALL PERSONAL PROTECTIVE EQUIPMENT, E.G. SLIP-PROOF AND SAFETY SHOES, CUT-PROOF AND CRUSH-PROOF GLOVES, AND ANYTHING ELSE THAT DOES NOT COMPROMISE THE WELL-BEING OF THE PERSONS WHO WILL CARRY OUT THE OPERATIONS, AS WELL AS THE WELL-BEING OF ALL THOSE SURROUNDING THE OPERATIONS.
- g. THE PERSON IN CHARGE OF THE BARRIER INSTRUCTS THE POSSIBLE HELPERS ON WHAT TO DO AND ON THE VARIOUS AND POSSIBLE EXISTING DANGERS, HE WILL COORDINATE THE VARIOUS ACTIONS BY GIVING ORDERS.
- h. THE PERSON IN CHARGE PLACES TWO STANDS WELL, SUITABLE AND WITH PROTECTIONS SUITABLE FOR THE SURFACE OF THE BARRIER.
- i. THE PERSON IN CHARGE WITH ANY CO-WORKERS LIFTS THE BARRIER OFF THE HOOK AND BRINGS IT CLOSE TO HIS OR HER PERSON.
- j. THE PERSON IN CHARGE TAKES THE BARRIER AND LAYS IT HORIZONTALLY ON THE 2 PREVIOUSLY WELL-POSITIONED STANDS.
- k. THE PERSON IN CHARGE REMOVES ANY RECOMMENDED PROTECTIVE CASING THAT DOES NOT COMPROMISE THE MATERIAL QUALITIES OF THE BARRIER ITSELF.
- l. THE PERSON IN CHARGE CLEANS ALL SURFACES OF THE BARRIER, WITH A WHITE COTTON CLOTH, AS WELL AS THRESHOLD, AND CORNERS.
- m. THE RESPONSIBILITY MANAGER CHECKS THE HORIZONTAL CHAINS AND VERTICAL LATCHES, IF POSSIBLE, TO MAKE SURE THAT THE BRASS SPRING PITCHES FOR THE HORIZONTAL LATCHES ARE COMPRESSED BY AT LEAST 20 mm.
- n. THE PERSON IN CHARGE SHALL TAKE SPECIAL CARE OF THE CONTACT PARTS WHEN INSERTING THE BARRIER, OF THE PRESSERS AND PAWLS ON THE CORNERS, OF THE ROLLERS, BOLTS AND ANY LATCHES AND ALL SEALS ON THE BARRIER, WHICH HE SHALL CLEAN THOROUGHLY AND AFTER HAVING PROTECTED EVERYTHING IN THE VICINITY, HE SHALL LUBRICATE THEM WITH VASELINE SPRAY OIL OR, AS A SECOND CHOICE, WITH SILICON SPRAY OIL, REMOVING ANY EXCESS WITH A WHITE COTTON CLOTH.

## **7 POSITIONING**

- a. THE PERSON IN CHARGE A FEW HOURS BEFORE THE EVENT, ALONE OR WITH A NUMBER OF CO-WORKERS APPROPRIATE TO THE SIZE AND WEIGHT OF THE BARRIER, BUT ALSO ADEQUATE IN PHYSICAL AND INTELLECTUAL ABILITIES AND OF AGE, PREVIOUSLY WELL INSTRUCTED AND QUESTIONED WITH COMPLETELY POSITIVE ANSWERS PROVING PERFECT



KNOWLEDGE OF THE USE AND MAINTENANCE MANUAL, WELL EQUIPPED WITH ALL THE APPROPRIATE P.P.E. IN THE STATE OF USE AND COMPLETELY AS WELL AS CORRECTLY WORN, TAKES THE UPPER PLASTIC HANDLES AND TURNS THE BARRIER UPSIDE DOWN WITH THE HORIZONTAL SEAL.

- b. ATTENTION!!! THE BARRIER MUST BE PLACED IN A PROVISIONAL SYSTEM LIMITED TO THE WEATHER EVENT, IT MUST BE REMOVED AT THE END OF THE WEATHER EVENT TO ENSURE THE ELASTICITY AND DURABILITY OF THE SEALS.
- c. THE PERSON IN CHARGE CHECKS AND THOROUGHLY CLEANS ALL GASKET CONTACT SURFACES AND THE GASKETS THEMSELVES.
- d. LUBRICATE WITH SILICONE GREASE ON THE 2 PADS (CORNER) (SEE PHOTOS 20-21) WHICH JOIN THE HORIZONTAL SEAL WITH THE VERTICAL ONES, SPRAY BOTH SIDES OF THE PAD WHICH WILL THEN COME INTO CONTACT AGAINST THE SIDE SEAL PROFILE AND THE PART OF THE LOWER SURFACE, SPREADING THE LUBRICANT EVENLY OVER BOTH SURFACES.
- e. THE PERSON IN CHARGE AND ANY STAFF MEMBERS, WITHOUT EVER PLACING THE BARRIER ON THE FLOOR, GROUND OR OTHER SURFACE, CARRY THE BARRIER UP TO THE CORNERS ON THE SIDE OF THE ROOM TO BE PROTECTED.
- f. THE PERSON IN CHARGE AND ANY STAFF MEMBERS, PRESENT THE VERTICAL SEALS OF THE BARRIER TOWARDS THE ENVIRONMENT TO BE PROTECTED, WHICH CORRESPONDS TO THE EXTERNAL AND PROTRUDING PART OF THE SEALING ANGLE PROFILES FROM THE DIRECTION OF THEIR LATERAL ATTACHMENT AND REMAINING (USUALLY) ON THE SIDE OF THE ENVIRONMENT TO BE PROTECTED FROM FLOODING BY APPROACHING THE SMOOTH AND PERFECTLY HORIZONTAL LEVEL TO A LASER LEVEL OF PRECISION WITH MORE OR LESS THAN 1 mm TOLERANCE TO THE "ZERO" LASER LEVEL.
- g. THE PERSON IN CHARGE AND ANY STAFF MEMBERS, HOLDING THE BARRIER SLIGHTLY DIAGONAL, AS CLOSE AS POSSIBLE TO PERPENDICULARITY WITH THE THRESHOLD, SLIDE THE LOWER PART OF THE BARRIER GENTLY BUT WITHOUT RUBBING THE VERTICAL SEALS AGAINST THE PRESSERS, IN THE UNDERPART OF THE ANGULAR SEALING PROFILES, BETWEEN THE STAINLESS STEEL PAWL AND THE 30 mm SIDE OF EACH ANGULAR SEALING PROFILE, PARTICIPATING IN THE COMPARTMENT (**SEE DRAWING 6 FIGURE 1**).
- h. THE RESPONSIBILITY MANAGER AND ANY HELPERS THEN PRESS THE BARRIER (**SEE DRAWING 6 FIGURE 2**) VERY LOW AND CONTEMPORARILY PUSH IT CAREFULLY AGAINST THE PRESSURES OR THE 30 mm (26 mm) SIDE OF THE ANGULAR LATERAL RETAINING PROFILES AND THEN AGAINST THE ENVIRONMENT TO BE PROTECTED. BEWARE OF CRUSHING DANGER TO LIMBS OR OTHER.
- i. THE PERSON IN CHARGE CHECKS THAT BOTH ROLLERS ARE WELL POSITIONED IN THE PRESSER BEZELS (**SEE DRAWING 6 FIGURE 3 AND 4**).
- j. AFTER THE MANAGER FIRST PRESSES THE HORIZONTAL BOLTS AGAINST THE SLOTS/DEPRESSIONS EXISTING IN THE UPPER PART OF THE PRESSORS, SOMETIMES IT IS NECESSARY TO HELP WITH A 200 g PLASTIC Mallet STRESSING THE BOLT KNOB WITH A FEW GENTLE TAPS.
- k. THE PERSON IN CHARGE SLIPS ANY VERTICAL LATCH INTO THE APPROPRIATE HOLE OF THE SPRING-LOADED SHAFT, IF IT IS SLIGHTLY OFFSET TO THE RIGHT OR LEFT OF THE SHAFT, UNHINGE THE BARRIER AND MOVE IT IN THE APPROPRIATE DIRECTION FOR THE ABOVE OPERATION TO BE SUCCESSFUL.
- l. THE PERSON IN CHARGE ALTERNATELY PUSHES AND PULLS THE BARRIER FORWARDS AND BACKWARDS WITH FORCE TO CHECK THAT THE FASTENING IS STILL ADEQUATE, CAUTION GENERAL DANGER.

- m. **ATTENTION!!!!** THE PERSON IN CHARGE *PRESSES FROM BOTH SIDES* THE JOINT PLUG OF THE HORIZONTAL SEAL WITH THE VERTICAL ONES IN BOTH CORNERS, FROM THE INSIDE TOWARDS THE OUTSIDE AND RELEASES IT BY PUSHING IT DOWNWARDS, TO ELIMINATE THE CREASE THAT NORMALLY FORMS, THIS SERVES TO IMPROVE THE SEAL OF THE BARRIER (**SEE DRAWING 7**).
- n. IN THE EVENT OF HAVING TO CLIMB OVER THE BARRIER, TAKE ADEQUATE PRECAUTIONS AND USE APPROPRIATE MEANS OF ELEVATION, ON NO ACCOUNT CLIMB OVER THE BARRIER, GENERAL DANGER.
- o. IN THE EVENT THAT THE BARRIER IS LESS THAN 110 CM HIGH IN RELATION TO THE COMPARTMENT OR THE BARRIER IS POSITIONED IN A PASSAGEWAY, ATTACH A YELLOW AND BLACK STRIPED REFLECTIVE STICKER HORIZONTALLY AT THE UPPER END.

## **8 DURING PLACEMENT AND IMMEDIATELY BEFORE THE EVENT**

- a. THE PERSON RESPONSIBLE, BEFORE THE EVENT, COMPLETELY ISOLATES THE ROOM TO BE PROTECTED FROM ANY TRANSMISSIBLE ELECTRICAL SOURCE, EVEN IF ONLY DUE TO MINOR INTERNAL FLOODING.
- b. THE PERSON IN CHARGE, IMMEDIATELY BEFORE FLOODING, CHECKS THAT THE HORIZONTAL BOLTS AND THE VERTICAL BOLT, IF ANY, ARE STILL IN POSITION AND FITTED IN THEIR RETAINING SEATS, THAT THE SEALS FIT WELL WITH THE VARIOUS SURFACES, IN SHORT, THAT THE BARRIER IS STILL WELL POSITIONED AND INSTALLED.
- c. THE PERSON IN CHARGE, IN THE EVENT OF FLOODING, ENSURES THAT NO ONE STANDS NEAR THE BARRIER, GENERAL DANGER TO DEATH.
- d. THE PERSON IN CHARGE PLACES ANY RAGS OR OTHER THINGS TO ABSORB ANY OOZING UP TO THE MOST SERIOUS WATER INFILTRATION, IN WHICH CASE IT IS ALSO ADVISABLE TO HAVE A CONTAINER TO THROW THE WATER BACK OUTSIDE THE COMPARTMENT TO BE PROTECTED.
- e. THE PERSON IN CHARGE PLACES SANDBAGS IN A RECTANGULAR TRIANGLE, STAGGERED BETWEEN THEM, TO TRY TO COUNTERACT THE THRUST OF THE WATER AGAINST THE BARRIER, THE WALL AND ANY LATERAL REINFORCEMENTS.
- f. THE PERSON IN CHARGE IN THE EVENT OF COPIOUS SEEPAGE (GUSHING), USUALLY DUE TO POOR POSITIONING OR POOR MAINTENANCE OF THE BARRIER, SETS UP TO REMOVE ANY KITCHEN COVEBOARD AND TO LIFT ALL FURNITURE AND OTHER THINGS IN THE ENVIRONMENT BY PLACING THEM ON UNBREAKABLE THICKNESSES TO BE PLACED ON THE FLOOR, OF A HEIGHT SUITABLE TO THAT REQUIRED BY HIS FLOOD PREVENTION INSURANCE CONTRACT (USUALLY 10 cm).
- g. ATTENTION. POSITION THE BARRIER FROM SHORTLY BEFORE THE EVENT UNTIL THE DANGER IS AVERTED, AS THE SEAL PRESSED FOR SO LONG CREATES A MEMORY EFFECT, LOSING PART OF ITS INITIAL THRUST AND THUS PARTIALLY INEFFECTIVE.

## **9 BARRIER OPENING**

- a. ONCE THE EXTERNAL FLOODING IS COMPLETELY FINISHED, IF THERE IS NO SIGNIFICANT EXTERNAL DEBRIS OR SLUDGE CARRYOVER, REMOVE THE BARRIER OR WAIT AND CONTACT THE CIVIL DEFENCE OR OTHER BODY TO RELEASE THE MATERIAL OUTSIDE THE PROTECTED ENVIRONMENT, PRESERVING THE SEALS.
- b. LIFT THE VERTICAL LATCH, IF PRESENT.
- c. OPEN BY MOVING THE HORIZONTAL BOLTS.
- d. FROM THE SIDE OF THE PROTECTED ENVIRONMENT, PUSH OUTWARDS TO DISENGAGE THE BARRIER FIRMLY, USING YOUR OWN STRENGTH, BEING CAREFUL OF THE DANGERS, E.G. NOT TO FALL ON THE BARRIER, CRUSH YOUR HANDS UNDER THE BARRIER, ETC. IT IS

ADVISABLE TO DO THE OPERATION FROM THE SIDE OPPOSITE THE AREA TO BE PROTECTED BY PULLING FIRMLY WITH FOLDED ARMS TOWARDS YOURSELF AND DOWNWARDS (NOT UPWARDS), BEING CAREFUL IN ADDITION TO THE ABOVE-MENTIONED POINTS FOR THE OPERATION CARRIED OUT FROM THE INSIDE: TO THE PAVEMENT OR GROUND OUTSIDE, WHICH MAY NO LONGER BE LEVEL AND CERTAINLY SLIPPERY. GENERAL DANGER, E.G. SPRAIN OR INJURY TO LIGAMENTS OR LIMBS, CRUSHING, ETC.

## 10 CLEANING AND CHECKING AFTER USE

- a. THE PERSON IN CHARGE PLACES THE BARRIER ON THE PREVIOUS STANDS, WASHES IT COMPLETELY WITH ONLY FRESH AND COLD WATER, ON BOTH SIDES, GENTLY BUT THOROUGHLY REMOVING MUD AND ANY OTHER POSSIBLE IMPURITIES (ESPECIALLY FROM THE SEALS), SUCH AS SALTINESS, DEBRIS AND ANYTHING ELSE IN THE SYSTEM TO BRING THE BARRIER BACK TO "FACTORY NEW", REPEATS THE OPERATIONS ALSO ON THE PROFILES REMAINING FIXED TO THE SURFACES SUPPORTING THE INTERLOCKING ELEMENTS OF THE BARRIER.
- b. THE PERSON IN CHARGE CHECKS EVERY SINGLE ELEMENT THAT IT IS FULLY FUNCTIONAL, IF THIS IS NOT THE CASE HE CALLS THE AUTHORISED MAINTENANCE COMPANY AND HAS THEM REPLACED, MAKING A NOTE OF THIS IN THE USE AND MAINTENANCE BOOKLET.
- c. THE PERSON IN CHARGE LETS THE BARRIER DRY WELL, IN A SLIGHTLY VENTILATED PLACE AND AWAY FROM SUNLIGHT.
- d. THE PERSON IN CHARGE LUBRICATES ALL MECHANISMS ALSO IN THE WALL PROFILES AND ESPECIALLY THE GASKETS WITH VASELINE SPRAY OIL OR, AS A SECOND CHOICE, WITH SILICONE SPRAY OIL, REMOVING ANY EXCESS AFTERWARD.

**PREMISES for CLEANING ALUMINIUM:** aluminium is a metal that is present in our homes as a constituent element of a large number of objects, we just don't realise it until... it oxidises!

**Oxidation is a natural process that occurs on the surface of metals in contact with the atmosphere** and consists of the formation of a thin dark layer, until it turns white, which protects them from corrosion. This process can occur or can be accelerated when aluminium is placed between polystyrene packaging, which can speed up the process, due to a natural dew point issue. Aesthetically, however, the result of oxidation is not pleasant: the black or white patina obscures the natural brilliance of metals.

### How to clean aluminium?

Before reviewing the various solutions for cleaning oxidised aluminium, it must be considered that this ductile silver-coloured metal can be left in its natural state or treated: polished or satin-finished, anodised or painted. Depending on the treatment to which it has been subjected, different cleaning techniques should be reserved for aluminium.

- e. Cleaning oxidised and blackened natural aluminium
- f. Aluminium is very delicate and contact with aggressive detergents, such as those used in dishwashers or for car wheels, can ruin them irreparably. The best solution is to wash with a liquid mixture of hot water and bicarbonate of soda, or with a thicker, creamier one made by dissolving two tablespoons of ash in a little linseed or olive oil. Both solutions can be wiped on the outer surface of the aluminium with a soft cloth; when finished, it is best to dry it with newspaper.

- g. To make even blackened aluminium shiny and bright again, you can try putting some milk on the fire and bring it to the boil and then try washing the surface: this procedure may remove the unsightly dark stains. Another tip: pour water, lemon juice and white wine vinegar over the aluminium after boiling it!

- h. In any case, never use metal wool pads or other abrasive sponges that can scratch!

**How to clean anodised aluminium**

- i. Aluminium, in permanent contact with external agents, oxidises much more easily than objects and utensils stored in the home. For this reason, aluminium undergoes anodising, an electrochemical oxidation performed to increase the metal's resistance to corrosion.
- j. To clean anodised aluminium, therefore, after thorough dusting, a wash with water and Marseille soap is usually sufficient. Alternatively, a somewhat stronger mixture can be prepared with liquid dishwashing detergent, white wine vinegar and warm water: simply wipe the surface with a soft cloth, leaving it to act for a few minutes, rinse and then dry.

**How to clean stained aluminium?**

- k. When stains and grease residues are present on the aluminium surface, a mixture of hot water and bicarbonate of soda proves effective. If the stains are more stubborn than expected, you can try a thicker mixture obtained by simply reducing the amount of water: apply it directly on the spot with a cotton wool pad and leave it to act for a few minutes.

**Cleaning satin-finished or painted aluminium.**

- l. In the case of objects made of satinized aluminium, their blackening must be tackled decisively because, due to their porosity, they tend to oxidise more deeply. Applying neutral soap with an abrasive sponge or steel wool is the best way to clean satin aluminium. Just take care to pass them over the surface very gently.

**How to clean polished aluminium:**

- m. Just resort to Sidol, a specific product for cleaning and polishing metals, which, thanks to its creamy formula, is able to effortlessly remove dirt and oxide stains, preventing scratches and abrasions. Simply apply it with a soft cloth, wipe gently.
- n. When aluminium is constantly in contact with water, limescale can form on its surface. Soaking in water and vinegar for at least an hour is the most effective way to clean aluminium from limescale. If there are still traces of limescale at the end of the immersion, simply repeat the procedure and then wash the object with a neutral detergent. To preserve the shine and integrity of the aluminium, it is important never to use acids.

**To clean painted aluminium:**

You can act in the same way as with anodised aluminium, i.e. by applying a little Marseille soap dissolved in water. To facilitate the operation, you can pour the solution into a spray dispenser, spray it on the surface to be cleaned, leave it to act for about ten minutes, rinse and finally dry with a soft cloth.

ATTENTION!!!! FOR ALL METHODS AND VARIOUS SURFACE TREATMENTS OF ALUMINIUM, CAREFULLY SAFEGUARD SEALS AND OTHER MATERIALS.

## **11 STORAGE FACILITY**

- a. **THE STORAGE FACILITY PLACE MUST BE SLIGHTLY VENTILATED, WITH 50% HUMIDITY IN THE AIR AND A TEMPERATURE OF +8° TO +30° CELSIUS.**
- b. THE RESPONSIBLE PERSON PLACES THE BARRIER IN THE APPROPRIATE CASE.
- c. THE PERSON IN CHARGE PLACES THE BARRIER IN THE SUSPENSION HOOKS.

- d. THE RESPONSIBILITY MANAGER MUST CHECK THAT THE HORIZONTAL SEAL IS HIGHLIGHTED BY THE UNDERGROUND SURFACE BY 5 cm AND THAT THE ABOVE MENTIONED IS NOT ON THE GROUND, BUT WELL GROUNDED.
- e. THE PERSON RESPONSIBLE CHECKS THAT THE VERTICAL SEALS ARE AT LEAST 1 CM AWAY FROM THE WALL OR OTHER ELEMENT.
- f. SEALS MUST BE PROTECTED FROM BRIGHTNESS, WHICH AGES THEM PREMATURELY.

## **12 ORDINARY MAINTENANCE**

- a. THE PERSON IN CHARGE CARRIES OUT PERIODIC (AT LEAST EVERY 6 MONTHS, EVEN EARLIER IF NECESSARY) METICULOUS CHECKS ON THE CORRECT STORAGE OF EACH INDIVIDUAL PART OF THE BARRIER AND THE PROFILES AND SUPPORT SURFACES.
- b. THE PERSON IN CHARGE IS OBLIGED TO MAINTAIN THE BARRIER, THE PROFILES AND THE SILL AS EFFICIENTLY AS IF HE WERE AN AIRCRAFT ENGINE DRIVER AND THEREFORE, IF HE NOTICES EVEN A SUSPECTED AGE OR WEAR OF EVEN THE SMALLEST PART, HE PEREMPTORILY AND IMMEDIATELY DECIDES ON THE REPLACEMENT OF ANY PART, UP TO AND INCLUDING THE COMPLETE REPLACEMENT OF THE BARRIER ITSELF, LIKE A GOOD FATHER IN THE FAMILY.
- c. THE PERSON IN CHARGE LUBRICATES AND CONTINUES TO LUBRICATE THE VARIOUS SLIDING ELEMENTS, SEALS AND WHATEVER ELSE IS REQUIRED. POSSIBLE, E.G. THE MOVEMENT OF HORIZONTAL BOLTS; ANY LATCHES AND ANYTHING ELSE THAT NEEDS IT WITH SILICONE GREASE.
- d. THE PERSON IN CHARGE PERIODICALLY CHECKS ALL FASTENINGS UP TO THE SUSPENSION HOOK OF THE BARRIER ITSELF.
- e. THE PERSON IN CHARGE CHECKS THE FUNCTION AND COMPLETE FREEDOM OF MOVEMENT OF THE SPRING WELL CAPS.
- f. IT IS ADVISABLE TO PURCHASE AND WELL KEEP A COMPLETE KIT OF ALL ORIGINAL SPARE PARTS, THEREFORE ALREADY AVAILABLE TO HAVE ANY PART REPLACED AS SOON AS POSSIBLE, BY A TECHNICIAN AUTHORISED BY THE MANUFACTURER, CERTIFYING THE REPLACEMENT IN A SYSTEM ALSO FISCALLY WRITTEN TO BE KEPT FOREVER TOGETHER WITH THE VARIOUS DOCUMENTS OF THE BARRIER.
- g. DO NOT ALLOW THE ALUMINIUM TO COME INTO CONTACT WITH ANY METAL, INCLUDING THE ALUMINIUM ITSELF, RISK OF COLD FUSION BETWEEN THEM. THE PERSON IN CHARGE SHALL HAVE THE EQUIPMENT SERVICED AT LEAST ONCE A YEAR, BY PERSONNEL AUTHORISED BY THE MANUFACTURER, WHO SHALL MAKE A RECORD OF THIS IN A WRITTEN SYSTEM, BOTH FISCAL AND IN THE USE AND MAINTENANCE BOOKLET.
- h. GASKETS ARE A PERISHABLE MATERIAL AND MUST BE CHANGED WHEN NECESSARY, IF WORN OR CRACKED, EVEN BEFORE THE END OF THE PRODUCT'S WARRANTY PERIOD, OTHERWISE THE PRODUCT AND ITS CHARACTERISTICS WILL BE FORFEITED.

## **13 EXTRAORDINARY MAINTENANCE**

- a. ATTENTION! THE PERSON IN CHARGE SHALL HAVE MAINTENANCE CARRIED OUT AT LEAST ONCE A YEAR, BY PERSONNEL AUTHORISED BY THE MANUFACTURER, WHO SHALL MAKE A WRITTEN RECORD OF THIS IN THE TAX SYSTEM AND IN THE OWNER'S MANUAL. ONLY ORIGINAL SPARE PARTS MUST BE USED UNDER PENALTY OF FORFEITING THE WARRANTY.
- b. GASKETS MUST BE CHANGED COMPLETELY, EVEN IF IN EXCELLENT CONDITION, WITHIN 5 YEARS FROM THE DATE OF MANUFACTURE.

## 14 INCONVENIENCES AND SOLUTIONS

- a. THE ALUMINIUM HAS BEEN IN CONTACT WITH LIME: WASH IMMEDIATELY WITH PLENTY OF COLD WATER, DRY AND REPEAT THE OPERATION SEVERAL TIMES. PERIODICALLY IN THE FOLLOWING MONTHS CHECK THAT THE ALUMINIUM DOES NOT CORRODE, IF IT DOES, IMMEDIATELY PRUNE AND REPLACE THE ENTIRE BARRIER, DANGER OF FLOODING TO DEATH.
- b. THE GASKET HAS MEMORY OF A CRUSH, IF IT IS NOT RECOVERED WITHIN 24 HOURS, HAVE THE GASKET REPLACED IMMEDIATELY, RISK OF FLOODING.
- c. I HAVE A SMALL INFILTRATION OF DROPS, THIS IS POSSIBLE, DRY REPEATEDLY BEHIND THE BARRIER WITH RAGS.
- d. I HAVE A FOUNTAIN INFILTRATION, REPEATEDLY DRY BEHIND THE BARRIER WITH RAGS AND DAB WITH WATERPROOF MATERIAL, IF NECESSARY ALSO USE A CONTAINER TO THROW THE WATER BACK OVER THE BARRIER, THEN CONTACT THE AUTHORISED INSTALLER WHO WILL FIRST CHECK THE PROFILES AND IF NECESSARY, AFTER AUTHORISATION FROM THE MANUFACTURER WILL SEND THE BARRIER BACK TO REPLACE ANY DAMAGED PART.
- e. WATER FROM UNDER THE THRESHOLD OR FROM UNDER THE FLOOR, THIS IS POSSIBLE, REPEATEDLY DRY WITH RAGS.
- f. THE MAINTENANCE TECHNICIAN IS NO LONGER AUTHORISED, CONTACT THE MANUFACTURER AND OBTAIN THE ADDRESS OF THE NEAREST OR, IN AN EMERGENCY, OF THE FREEST (IF AVAILABLE).
- g. THE BARRIER HAS BEEN IN PLACE FOR A LONG TIME AND WATER ENTERS, CHECK THAT THE SEALS HAVE NOT "MEMORISED" THE POSITION AND NO LONGER EMIT THE APPROPRIATE THRUST, CAREFULLY UNSTICK THE BARRIER AND CHECK WITH A TAPE MEASURE THAT THE SEALS RETURN TO THEIR INITIAL SIZE WITHIN 15 MINUTES, REPOSITION THE BARRIER FOR AN EVENTUALITY AFTER A FEW HOURS OTHERWISE SEND THE SEALS TO BE CHANGED IMMEDIATELY BY PERSONNEL AUTHORISED BY THE MANUFACTURER, REMEMBER THAT THE SEALS ARE SUITABLE FOR TEMPORARY USE AND LIMITED IN TIME OF APPROX. 30 DAYS WHEN NEW.
- h. THE BARRIER HAS BEEN POSITIONED BUT WATER ENTERS, CHECK THAT YOU HAVE POSITIONED THE SEALS CORRECTLY AS PER DRAWING 7.
- i. THE BARRIER HAS SEALS WHICH ARE NO LONGER ELASTIC, RIGID, CRACKED, NOT COMPLETE, HAVE THE SEALS CHANGED IMMEDIATELY.
- j. THE BOTTOM SURFACE IS NO LONGER LEVEL OR A CRACK HAS FORMED, HAVE IT FIXED IMMEDIATELY.
- k. THE LOWER SURFACE HAS A CRACK UNDER THE FOOTSTEET, THERE IS EARTH, IT DOES NOT HOLD WATER OR THE BARRIER IS NO LONGER INSERTED, THE EARTH HAS INFLATED, GET THE FLOOR REHABILITATED AS SOON AS POSSIBLE BY A QUALIFIED CONSTRUCTION COMPANY THAT WILL RECONSTRUCT THE FLOOR AT LEVEL LASER MORE OR LESS THAN 1 mm.  
THE BARRIER HAS ESPECIALLY IN THE LOWER PART THE SEAL DETERIORATED DUE TO FLOOR WASHING WITH ANY CHEMICAL PRODUCT, LEAD TO IMMEDIATE REPLACEMENT OF THE SEALS.
- l. THE BARRIER AFTER FLOODING IS NO LONGER IN PLACE, THE SIDE BOLTS HAVE NOT BEEN INSERTED AS INSTRUCTED, OUTSIDE WATER HAS OVERFLOWED THE BARRIER AND AT LOW TIDE/ FLOOD RECEDING WATER INSIDE THE ENVIRONMENT TO BE PROTECTED HAS DISLODGED THE BARRIER, WHICH HAS FLOATED AND BEEN CARRIED AWAY BY THE CURRENT.

- m. NO OTHER PROBLEMS ARE KNOWN TO DATE, SHOULD YOU BECOME AWARE OF ANY OTHER THAN THOSE MENTIONED, PLEASE INFORM US IMMEDIATELY, INCLUDING HOW TO DEAL WITH THEM, AND IN THE MEANTIME, AS A GOOD FAMILY MAN, ONLY USE THE PRODUCT IF YOU ARE ABLE TO.

## **15 INJURIES**

**IN THE EVENT OF AN ACCIDENT, THE PERSON IN CHARGE OR, IN THE EVENT OF AN ACCIDENT, THE MOST QUALIFIED OR APPROPRIATE EMPLOYEE, IMMEDIATELY PROVIDES FIRST AID AND, AT THE SAME TIME, TELEPHONES THE NEAREST FIRST AID STATION ON SPEAKERPHONE, CALMLY AND MINUTELY DESCRIBING THE STATE OF THE ACCIDENT AND THE INJURED PERSON'S CONDITION, AS WELL AS GIVING THE ADDRESS OR, IN THE ABSENCE OF SUCH, THE GPS COORDINATES OF THE LOCATION, AND LETTING THE FIRST AID STATION MANAGERS DECIDE WHETHER TO ACCOMPANY THE INJURED PERSON THEMSELVES OR TO HAVE HIM OR HER RECOVERED BY THE APPROPRIATE AMBULANCE.**

## **16 WARRANTY**

- a. THE COMMERCIAL GUARANTEE OF THE INSTALLATION OF THE FLOOD BARRIER MUST REPLICATE THE TEST CARRIED OUT AT THE GIORDANO INSTITUTE BY THE MANUFACTURER, HAS A DURATION OF 24 MONTHS, EXTENDABLE TO 5 YEARS, ONLY IF IT IS CARRIED OUT WITH THE APPROPRIATE STAMP AND SIGNATURE, BY THE FIRST INSTALLER AUTHORISED BY THE MANUFACTURER AND THEREAFTER BY AN AUTHORISED MAINTENANCE TECHNICIAN, USING ONLY ORIGINAL ACCESSORIES AND SPARE PARTS SUPPLIED BY THE MANUFACTURER, CERTIFYING EACH STEP WITH A WRITTEN REPORT IN THE USER AND MAINTENANCE MANUAL IN MAINTENANCE DATA, ACCOMPANYING IT WITH AN APPROPRIATE TAX INVOICE IN THE NAME OF THE END CUSTOMER.
- b. THE GUARANTEE IS VALID ONLY AND ALWAYS IF ALL POINTS IN THE INSTRUCTIONS IN THE USER AND MAINTENANCE MANUAL HAVE BEEN OBSERVED, AS WELL AS THE APPROPRIATE SIZING AND INSTALLATION PROCEDURES.
- c. THE GUARANTEE ONLY COVERS DAMAGE TO THE BARRIER ITSELF, DAMAGE DUE TO CARELESSNESS, IMPROPER USE, ANY OTHER OPERATION NOT CARRIED OUT BY THE MANUFACTURER AND ANY OTHER DAMAGE EITHER TO PROPERTY OR TO PERSONS, ANIMALS, INCLUDING THIRD PARTIES, ETC. IS NOT COVERED. FOR ANY REASON WHATSOEVER, ESPECIALLY THOSE PERFORMED BY AUTHORISED OR UNAUTHORISED PERSONNEL WHO ARE NOT DIRECTLY EMPLOYED BY THE MANUFACTURER.
- d. THE WARRANTY STARTS FROM THE DATE OF MANUFACTURE.
- e. THE WARRANTY IS UP TO MULTI-YEAR IS ONLY VALID IF INVOICED TO 'TAX CODE', IF INVOICED TO VAT NUMBER IT IS ONLY 12 MONTHS.
- f. THE INSTALLER OR MAINTENANCE TECHNICIAN MUST BE AUTHORISED BY THE MANUFACTURER AT THE TIME THE WORK IS CARRIED OUT, UNDER PENALTY OF FORFEITURE OF ANY GUARANTEE OF TIGHTNESS AND OF THE TEST CERTIFICATE ISSUED BY ISTITUTO GIORDANO S.P.A.

- g. THE SEALS ARE A VERY IMPORTANT ELEMENT OF THE BARRIER BUT ALSO A VERY DELICATE ONE, IT CAN BE GUARANTEED FOR UP TO 3 YEARS, IF THE BARRIER IS USED OCCASIONALLY, FOR ABOUT 10 DAYS A YEAR, DURING THE PERIOD OF THE WEATHER EVENT AND THEN KEPT UNDER COVER, DARK AND SUSPENDED IN THE AIR WITH A CONSTANT HUMIDITY LEVEL OF 50% AND A TEMPERATURE OF +8° TO +30° CELSIUS, IT MUST NOT COME INTO CONTACT WITH STICKY ELEMENTS AND MUST NOT BE MECHANICALLY RUBBED, GNAWED ON BY ANIMALS OR INSECTS OR ANYTHING ELSE, IT MUST NOT COME INTO CONTACT WITH LIQUIDS OTHER THAN SIMPLE WATER, SOAPS, ETC. ANY USE DEVIATING FROM THE AFOREMENTIONED AND FROM "COMMON SENSE" WILL IMMEDIATELY INVALIDATE ITS GUARANTEE AND THAT OF THE PRODUCT ITSELF AND ITS CHARACTERISTICS.
- h. OPTIONAL ADHESIVE FILM: HAS A WARRANTY REDUCED TO ONLY 12 MONTHS, BUT FURTHER REDUCED IF PLACED IN A LIGHT OR OUTDOOR ENVIRONMENT BY ONLY 6 MONTHS, IN THE PARTS WHERE IT WILL RUB THERE WILL BE PREMATURE WEAR THAT CANNOT BE REPAIRED UNDER WARRANTY.
- i. ANY WARRANTY REPLACEMENT DOES NOT EXTEND THE WARRANTY.
- j. ALL DOCUMENTS MUST BE FULLY SIGNED WITH A LEGIBLE SIGNATURE AND POSSIBLY STAMP OF THE INSTALLER AND THE MAINTENANCE TECHNICIAN (WHICH COULD BE THE SAME PROFESSIONAL FIGURE).
- k. ANY COUNTERFEITS WILL BE PROSECUTED ACCORDING TO THE TERMS OF ITALIAN LAW.
- l. THE WARRANTY EXCLUSIVELY FOLLOWS THE RULES OF ITALIAN LAW, EVEN IF SHIPPED TO THE EUROPEAN UNION OR A NON-EUROPEAN STATE.
- m. THE MANUFACTURER SHALL NOT BE LIABLE FOR PROBLEMS CREATED BY ANY PERSONNEL AUTHORISED BY HIM, KNOWN TO HIM AND/OR INDEPENDENT, ESPECIALLY IF THEY ARE OUTSIDE HIS FISCAL REGIME.
- n. IN THE EVENT OF AN UPDATE OF THE OPERATING AND MAINTENANCE MANUAL, THE FIRST ONE SUPPLIED WITH IT MUST ALSO BE KEPT AS AN ANNEX TO PRESERVE THE INSTALLATION AND MAINTENANCE DATA, IF ANY.

## **17 DISASSEMBLY WITH DISPOSAL**

HAVE A SPECIALISED COMPANY WITH SUITABLY SPECIALISED AND PROTECTED PERSONNEL, SEPARATE AS MUCH MATERIAL AS POSSIBLE, TAKE IT TO PROPERLY AUTHORISED WASTE DISPOSAL CENTRES OR COMPLY WITH THE RULES OF THE COUNTRY AND ITS RULES, REGULATIONS AND LAWS ON THE DATE OF DISPOSAL. RESPECT NATURE!

## **18 DISCLAIMER (DISCLAIMER OF LIABILITY)**

- a. THE SELLER AND THE AUTHORISED INSTALLER IS ALWAYS AND ONLY RESPONSIBLE FOR WHAT THEY DO, IF A NON-AUTHORISED INSTALLER IS USED THEN THE END CUSTOMER AND SUBSEQUENTLY THE END USER ARE RESPONSIBLE FOR THE INSTALLATION AND THE BARRIER.
- b. FOR THE BARRIER AND ANY COMPLEMENTARY ITEMS, THE RIGHT OF WITHDRAWAL CANNOT BE EXERCISED EVEN IF PURCHASED ONLINE/WEB, AS THEY ARE PACKAGED AND CUT-TO-SIZE PRODUCTS CLEARLY CUSTOMISED WITH A GUARANTEE THAT STARTS FROM THE DATE OF FIRST INVOICE AS THE QUALITY OF THE PRODUCT IS PERISHABLE.
- c. THE PURCHASER AT THE TIME OF PURCHASE DECLARES THAT HE ACQUIRES AND MAKES HIS OWN ALL PARTS OF THIS MANUAL BEFORE USING OR INSTALLING THE BARRIER, THAT HE WILL KEEP UP TO DATE WITH THE LATEST CHANGES IN THE MANUAL PUBLISHED ON



THE WEB ([www.paratieantiallagamentorapide.com](http://www.paratieantiallagamentorapide.com)) AND THAT HE WILL MAKE ALL CHANGES HIS OWN IMMEDIATELY, REPORTING THEM ALSO TO HIS POSSIBLE DEPUTIES, POSSIBLE CO-WORKERS, HE WILL ALSO REPORT THE LATEST MANUAL TO FUTURE OWNERS REMINDING THEM TO FOLLOW THE LATEST INSTRUCTIONS ON THE WEB.

- d. THE PERSON IN CHARGE, AS SUCH, IS SOLELY RESPONSIBLE FOR ANY ACCIDENT OR MISUSE OF THE ANTI-FLOOD BARRIER.
- e. THE CLIENT, BY SIGNING THE CONTRACT, RELEASES THE MANUFACTURER FROM ANY CHANGES TO THE WIDTH OF THE COMPARTMENTS, MORE SPECIFICALLY WITH REGARD TO THE UNDERSIZE OF THE PASSAGEWAY FOR THE DISABLED, FOR ANY FIRE BRIGADE RULES IN THE ESCAPE ROUTES AND THE VARIOUS MUNICIPAL, STATE AND OTHER PERMITS REQUIRED BY THE STATE OR OTHER RECOGNISED PARITY BODY IN THE STATE WHERE THE BARRIER IS INSTALLED.
- f. THE MANUFACTURER, THE SELLER AND THE AUTHORISED INSTALLER SHALL NOT BE LIABLE FOR ANY WATER PENETRATION THROUGH ANY ELEMENT OF THE INSULATING COAT, INSULATING COUNTERFRAME OF THE WINDOW OR PREFABRICATED THERMAL INSULATING UNIT OR NOT FOR THE INSULATION OF THE CAVITY REVEALS FOR ANY REASON WHATSOEVER.
- g. EXAMPLE: FOR THE VARIOUS MUNICIPAL APPROVALS AND HABITABILITY AND OTHER VARIOUS CONSTRAINTS.
- h. THE MANUFACTURER RESERVES THE RIGHT TO MAKE IMPROVEMENTS AT ANY TIME AND WITHOUT PRIOR NOTICE, WHETHER TECHNICAL, AESTHETIC, ETC., BUT ABOVE ALL SAFETY-RELATED.
- i. THE MANUFACTURER IS NOT RESPONSIBLE FOR DAMAGES RESULTING FROM HYDROSTATIC FORCES GREATER THAN THOSE TESTED BY THE SAMPLE AT THE GIORDANO INSTITUTE S.p.A.
- j. **ATTENTION!** IF THE PERSON ULTIMATELY RESPONSIBLE DOES NOT SUBMIT THE STAMPED AND SIGNED STATIC REPORT WITH THE RELEVANT INSTALLATION INSTRUCTIONS BY A DESIGN ENGINEER TO THE INSTALLER AUTHORISED BY THE MANUFACTURER AT THE TIME OF INSTALLATION, AND IF THE SELLER HAS ADVISED IN WRITING OF THE NECESSITY AND OBLIGATORY NATURE OF THE AFOREMENTIONED REPORT, THE PERSON ULTIMATELY RESPONSIBLE FOR PROCEEDING WITH OR INSTALLING THE BARRIER SHALL BE DEEMED TO BE THE "DESIGNER" AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSEQUENCES ARISING FROM "HIS WORK", AND SHALL RELEASE THE MANUFACTURER AND ANY OTHER INTERMEDIARY FROM ALL LIABILITY.
- k. THE MANUFACTURER IN THE EVENT OF INSTALLATION WITHOUT A STATIC REPORT BY THE DESIGN ENGINEER, NOT IN A WORKMANLIKE MANNER AND/OR INCORRECT MAINTENANCE OR STORAGE OR USE OF NON-ORIGINAL ACCESSORIES, ETC. ASSUMES NO LIABILITY.
- l. THE MANUFACTURER ACCEPTS NO LIABILITY FOR STRUCTURAL DEFECTS OF THE MASONRY OR SUPPORT ELEMENTS INSTALLED, EVEN IF THEY ARE SUPPLIED BY THE MANUFACTURER, NON-WATERPROOF ELEMENTS IN THE BUILDING, OF THE SURFACE BELOW THE BARRIER, SURROUNDING THE BARRIER, EFFECTS OF HYDROSTATIC FORCES AND IMPROPER USE OF THE COMPONENTS, DAMAGE CAUSED BY MECHANICAL ACTIONS OF THINGS OR PERSONS, ETC. THE MANUFACTURER'S DISCLAIMER OF LIABILITY IN NO WAY CAN THE MANUFACTURER GUARANTEE THE ABSOLUTE PREVENTION OF DAMAGES FROM FLOODING OR OTHER ACCIDENTS, OTHER THAN THOSE CAUSED BY THE SAMPLE IN THE CONDITION TESTED BY THE GIORDANO INSTITUTE S.p.A.
- m. THE VARIOUS MANUFACTURER'S MANUALS ARE A 'GUIDELINE', THE END USER AND HIS DESIGN ENGINEER ARE SOLELY RESPONSIBLE FOR THE BARRIER AND ITS CORRECT INSTALLATION, THE AUTHORISED INSTALLER IS ONLY CONSIDERED TO BE SUCH IF HE

FOLLOWS THE DICTATES OF THE STAMPED AND SIGNED REPORT OF THE DESIGN ENGINEER.

- n. THERE IS NO KNOWLEDGE THAT THE VARIOUS MATERIALS MAY EMIT RADIATION OR GAS OR OTHER ELEMENTS HARMFUL TO THE HEALTH OR GOOD QUALITY OF LIVING BEINGS OR THINGS.
- o. ALWAYS SUBJECT TO ERRORS AND OMISSIONS

#### **19 FORBIDDEN**

- a. REPRODUCTION OF THESE DOCUMENTS, EVEN IN PART, IS PROHIBITED WITHOUT APPROPRIATE WRITTEN PERMISSION, WHICH PERMISSION MAY BE WITHDRAWN AT ANY TIME BY THE MANUFACTURER WITH IMMEDIATE EFFECT.
- b. IT IS PROHIBITED TO USE THE BARRIER AS FALL PROTECTION IN THE EXCAVATION VOID ETC.

#### **20 RIGHT OF OWNERSHIP**

- a. THE RIGHT OF OWNERSHIP AND INDUSTRIAL AND CIVIL INTELLIGENCE IS CLAIMED, BOTH OF THE PATENTS AND OF THE BARRIER IN ADDITION TO THE GUIDELINES AND MANUALS, INCLUDING THE VARIOUS DRAWINGS, FIGURES, PHOTOS, ETC.

#### **21 OPTIONAL**

- a. SOME AESTHETIC AND SAFETY OPTIONAL EXTRAS ARE POSSIBLE, ALSO CUSTOMISED, FOR THEIR GUARANTEES AND CHARACTERISTICS ALSO FOR USE AND MAINTENANCE, PLEASE ASK FOR THE APPROPRIATE MANUAL OR WRITTEN INSTRUCTIONS, BEFORE USE.
- b. THE COVER OF THE SEALING ANGLE PROFILE MECHANISMS ARE TO BE REMOVED WITH AN ALLEN KEY, HOLDING THEM TIGHTLY WITH THE OTHER HAND, AND ARE THEN TO BE CAREFULLY TRANSPORTED WITHOUT ANY CONTACT WITH OTHER ELEMENTS UNTIL THEY ARE PLACED ON A NON-SLIP SURFACE WITHOUT ANY DANGER TO LIVING OR OTHER BEINGS, EVEN IF THE SURFACE ITSELF IS SUBJECT TO EXTENSIVE VIBRATIONS AND SHAKING.

**NOTES:**

# WARRANTY REPLACEMENT DATA

DATE AND PARTS REPLACED UNDER WARRANTY WITH STAMP AND SIGNATURE OF MANUFACTURER-AUTHORISED INSTALLER:

\_\_\_\_/\_\_\_\_/2\_\_\_\_ INTERVENTION

1: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

NEGATIVE

NOTE

NOTED:\_(DISCLAIMER):\_\_\_\_\_

SIGNATURE: \_\_\_\_\_ STAMP: \_\_\_\_\_ FISCAL DOC. TYPE AND  
N° \_\_\_\_\_

\_\_\_\_/\_\_\_\_/2\_\_\_\_

INTERVENTION

2 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

NEGATIVE

NOTE

NOTED:\_(DISCLAIMER):\_\_\_\_\_

SIGNATURE: \_\_\_\_\_ STAMP: \_\_\_\_\_ FISCAL DOC. TYPE AND  
N° \_\_\_\_\_

# MAINTENANCE DATA

DATE AND PARTS REPLACED IN SERVICE (NOT UNDER WARRANTY) STAMPED AND SIGNED BY  
MANUFACTURER-AUTHORISED INSTALLER:

\_\_\_\_/\_\_\_\_/2\_\_\_\_

INTERVENTION: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_ NEGATIVE NOTE

NOTED:\_(DISCLAIMER)

SIGNATURE: STAMP: FISCAL DOC. TYPE AND  
N°

## MAINTENANCE DATA

DATE AND PARTS REPLACED IN SERVICE (NOT UNDER WARRANTY) STAMPED AND SIGNED BY  
MANUFACTURER-AUTHORISED INSTALLER:

/ /2

INTERVENTION:

\_ NEGATIVE NOTE

NOTED:\_(DISCLAIMER)

SIGNATURE: STAMP: FISCAL DOC. TYPE AND  
N°

## MAINTENANCE DATA

DATE AND PARTS REPLACED IN SERVICE (NOT UNDER WARRANTY) STAMPED AND SIGNED BY  
MANUFACTURER-AUTHORISED INSTALLER:

/ /2

INTERVENTION:

\_ NEGATIVE NOTE

NOTED:\_(DISCLAIMER)

SIGNATURE: STAMP: FISCAL DOC. TYPE AND  
N°

## MAINTENANCE DATA

DATE AND PARTS REPLACED IN SERVICE (NOT UNDER WARRANTY) STAMPED AND SIGNED BY  
MANUFACTURER-AUTHORISED INSTALLER:

/ /2

INTERVENTION:

---

---

\_ NEGATIVE NOTE

NOTED:\_(DISCLAIMER)

---

---

SIGNATURE: \_\_\_\_\_ STAMP: \_\_\_\_\_ FISCAL DOC. TYPE AND  
N° \_\_\_\_\_

## MAINTENANCE DATA

DATE AND PARTS REPLACED IN SERVICE (NOT UNDER WARRANTY) STAMPED AND SIGNED BY  
MANUFACTURER-AUTHORISED INSTALLER:

\_\_\_\_/\_\_\_\_/2\_\_\_\_

INTERVENTION: \_\_\_\_\_

---

---

---

\_ NEGATIVE NOTE

NOTED:\_(DISCLAIMER)

---

---

SIGNATURE: \_\_\_\_\_ STAMP: \_\_\_\_\_ FISCAL DOC. TYPE AND  
N° \_\_\_\_\_

## MAINTENANCE DATA

DATE AND PARTS REPLACED IN SERVICE (NOT UNDER WARRANTY) STAMPED AND SIGNED BY  
MANUFACTURER-AUTHORISED INSTALLER:

\_\_\_\_/\_\_\_\_/2\_\_\_\_

INTERVENTION: \_\_\_\_\_

---

---

---

\_ NEGATIVE NOTE

NOTED:\_(DISCLAIMER)

---

---

SIGNATURE: \_\_\_\_\_ STAMP: \_\_\_\_\_ FISCAL DOC. TYPE AND  
N° \_\_\_\_\_

## MAINTENANCE DATA

DATE AND PARTS REPLACED IN SERVICE (NOT UNDER WARRANTY) STAMPED AND SIGNED BY  
MANUFACTURER-AUTHORISED INSTALLER:

\_\_\_\_/\_\_\_\_/2\_\_\_\_

INTERVENTION: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

\_ NEGATIVE NOTE

NOTED:\_(DISCLAIMER)\_\_\_\_\_

\_\_\_\_\_

SIGNATURE: \_\_\_\_\_ STAMP: \_\_\_\_\_ FISCAL DOC. TYPE AND  
N° \_\_\_\_\_

## MAINTENANCE DATA

DATE AND PARTS REPLACED IN SERVICE (NOT UNDER WARRANTY) STAMPED AND SIGNED BY  
MANUFACTURER-AUTHORISED INSTALLER:

\_\_\_\_/\_\_\_\_/2\_\_\_\_

INTERVENTION: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

\_ NEGATIVE NOTE

NOTED:\_(DISCLAIMER)\_\_\_\_\_

\_\_\_\_\_

SIGNATURE: \_\_\_\_\_ STAMP: \_\_\_\_\_ FISCAL DOC. TYPE AND  
N° \_\_\_\_\_

## MAINTENANCE DATA

DATE AND PARTS REPLACED IN SERVICE (NOT UNDER WARRANTY) STAMPED AND SIGNED BY  
MANUFACTURER-AUTHORISED INSTALLER:

\_\_\_\_/\_\_\_\_/2\_\_\_\_

INTERVENTION: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

\_ NEGATIVE NOTE

NOTED:\_(DISCLAIMER)\_\_\_\_\_

\_\_\_\_\_

SIGNATURE: \_\_\_\_\_ STAMP: \_\_\_\_\_ FISCAL DOC. TYPE AND  
N° \_\_\_\_\_

## MAINTENANCE DATA

DATE AND PARTS REPLACED IN SERVICE (NOT UNDER WARRANTY) STAMPED AND SIGNED BY  
MANUFACTURER-AUTHORISED INSTALLER:

\_\_\_\_/\_\_\_\_/2\_\_\_\_

INTERVENTION: \_\_\_\_\_

\_ NEGATIVE NOTE

NOTED:\_(DISCLAIMER)\_\_\_\_\_

SIGNATURE: \_\_\_\_\_ STAMP: \_\_\_\_\_ FISCAL DOC. TYPE AND

N° \_\_\_\_\_

## MAINTENANCE DATA

DATE AND PARTS REPLACED IN SERVICE (NOT UNDER WARRANTY) STAMPED AND SIGNED BY  
MANUFACTURER-AUTHORISED INSTALLER:

\_\_\_\_/\_\_\_\_/2\_\_\_\_

INTERVENTION: \_\_\_\_\_

\_ NEGATIVE NOTE

NOTED:\_(DISCLAIMER)\_\_\_\_\_

SIGNATURE: \_\_\_\_\_ STAMP: \_\_\_\_\_ FISCAL DOC. TYPE AND

N° \_\_\_\_\_

## MAINTENANCE DATA

DATE AND PARTS REPLACED IN SERVICE (NOT UNDER WARRANTY) STAMPED AND SIGNED BY  
MANUFACTURER-AUTHORISED INSTALLER:

\_\_\_\_/\_\_\_\_/2\_\_\_\_

INTERVENTION: \_\_\_\_\_

\_ NEGATIVE NOTE

NOTED:\_(DISCLAIMER)\_\_\_\_\_

SIGNATURE: \_\_\_\_\_ STAMP: \_\_\_\_\_ FISCAL DOC. TYPE AND

N° \_\_\_\_\_

# INSTALLATION DATA (CUSTOMER'S COPY)

INSTALLATION DATE: \_\_\_\_\_/\_\_\_\_\_/2\_\_\_\_\_

**NEGATIVE INSTALLATION NOTES:** (EXAMPLE: DISCLAIMER FOR NON-DELIVERY OF STATICS REPORT):

---

---

---

---

MANUFACTURER-AUTHORISED INSTALLER SERIAL NUMBER: \_\_\_\_\_

NAME IN BLOCK LETTERS OF THE INSTALLER AUTHORISED BY THE MANUFACTURER: \_\_\_\_\_

SIGNATURE OF THE MANUFACTURER'S AUTHORISED INSTALLER, IF ANY: \_\_\_\_\_

PASSWORD for updating the User and Maintenance Manual: \_\_\_\_\_





# INSTALLATION DATA (SELLER/INSTALLER COPY)

INSTALLATION DATE: \_\_\_\_\_/\_\_\_\_\_/2\_\_\_\_\_

**NEGATIVE INSTALLATION NOTES:** (EXAMPLE: DISCLAIMER FOR NON-DELIVERY OF STATICS REPORT):

---

---

---

---

MANUFACTURER-AUTHORISED INSTALLER SERIAL NUMBER: \_\_\_\_\_

DETAILS IN BLOCK LETTERS OF THE AUTHORISED INSTALLER: \_\_\_\_\_

SIGNATURE OF AUTHORISED INSTALLER, IF ANY: \_\_\_\_\_

## END-USER/CUSTOMER SIGNATURES:

SURNAME AND FIRST NAME OF THE PERSON IN CHARGE OF THE BARRIER IN BLOCK LETTERS:

---

SIGNATURE FOR TAKING OVER THE POSITION OF "RESPONSIBLE" OF THE BARRIER

---

SIGNATURE OF THE BARRIER MANAGER ON RECEIPT OF THE MANUAL "GUIDELINE FOR COMPARTMENT VERIFICATION AND MEASUREMENT SURVEY":

---

SIGNATURE OF THE BARRIER MANAGER ON RECEIPT OF THE "INSTALLATION GUIDELINE" MANUAL:

---

SIGNATURE OF THE BARRIER MANAGER ON RECEIPT OF THE "USER AND MAINTENANCE MANUAL":

---

SIGNATURE OF THE PERSON RESPONSIBLE FOR ASSUMING THE POSITION OF "INSTALLATION DESIGNER":

---

TITLE, SURNAME AND FIRST NAME, REGISTRATION NO. OF THE TECHNICIAN WHO PERFORMED THE  
STATICITY REPORT (TAKE AND KEEP COPY):

Eng. \_\_\_\_\_

PASSWORD for updating the User and Maintenance Manual: \_\_\_\_\_



PHOTO 1



PHOTO 2



PHOTO 4



PHOTO 5



PHOTO 7





PHOTO 16



PHOTO 17



PHOTO 20



PHOTO 21



# DISEGNO 1 FIGURE TIPOLOGIE VANO

figura 1

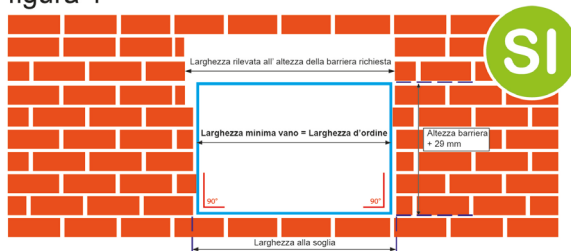


figura 4

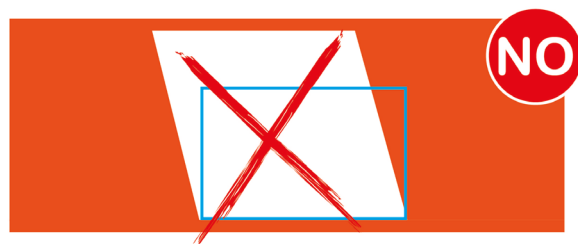


figura 2



figura 5

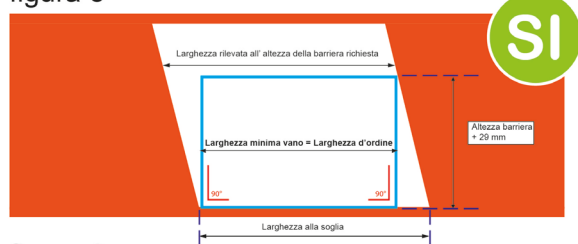


figura 3

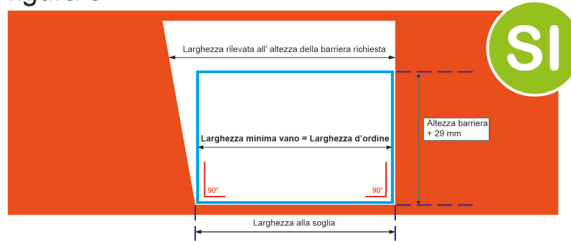
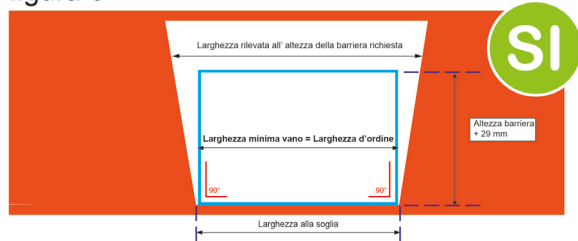
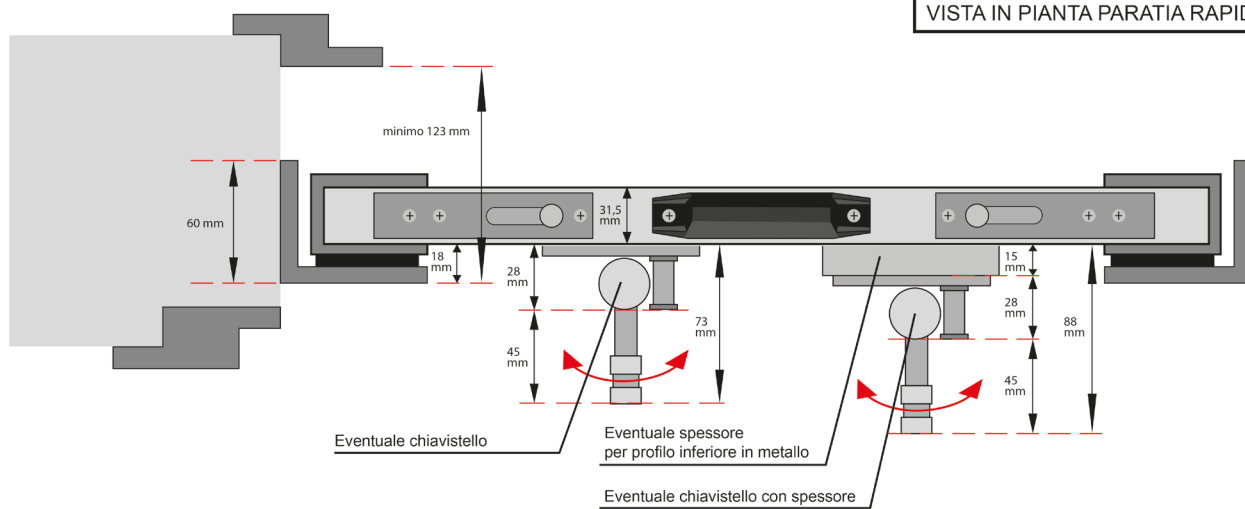
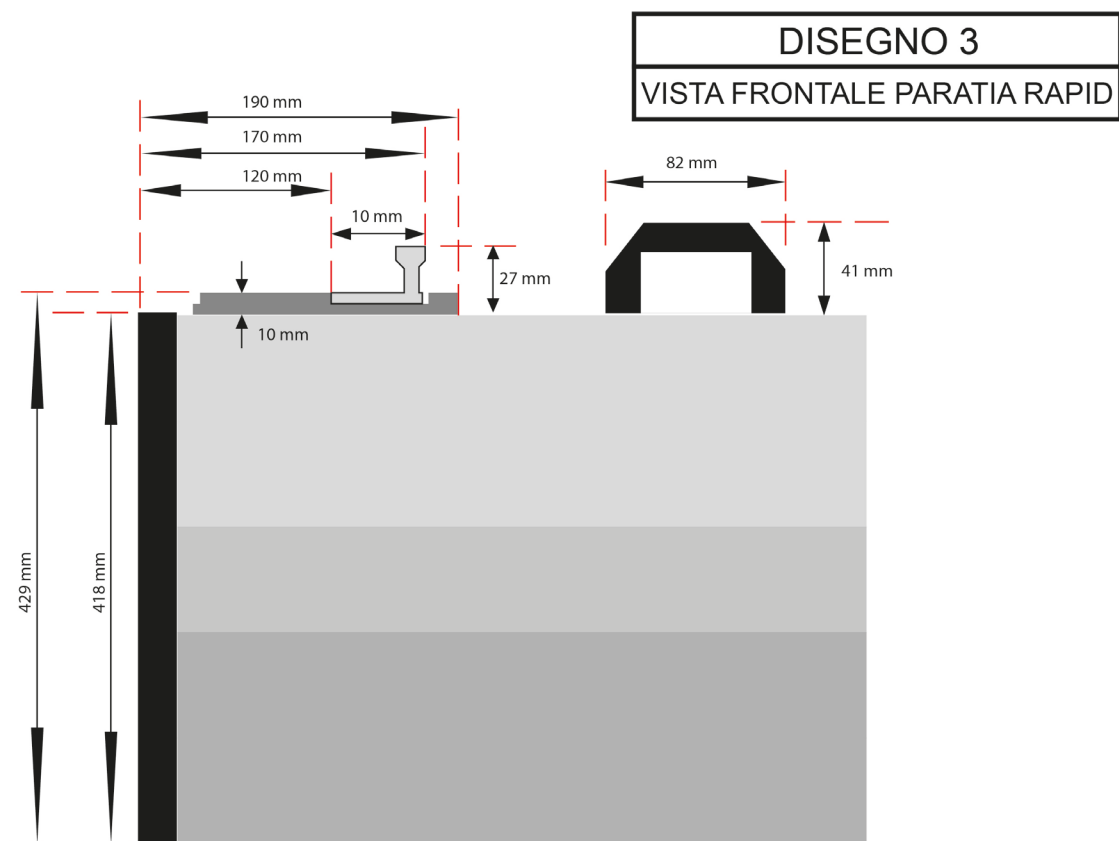


figura 6

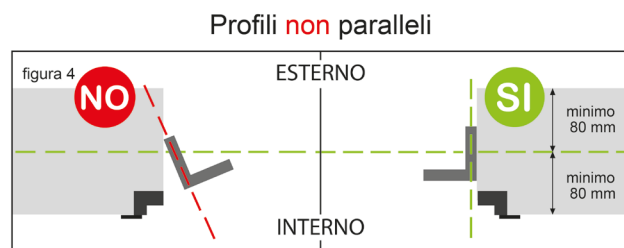
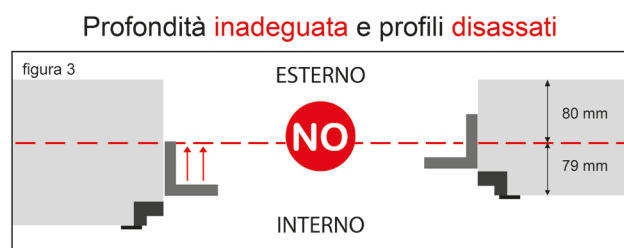
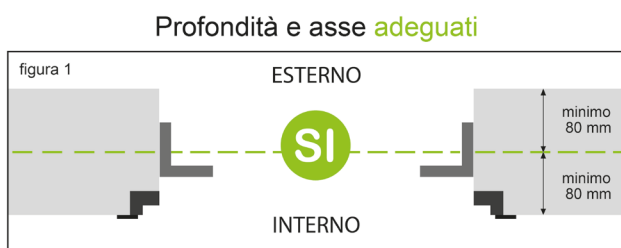


# DISEGNO 2 VISTA IN PIANTA PARATIA RAPID





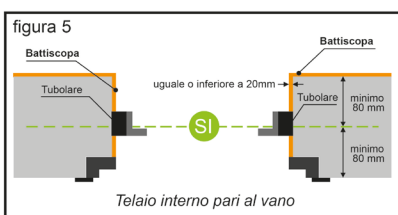
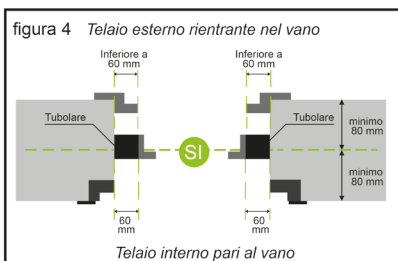
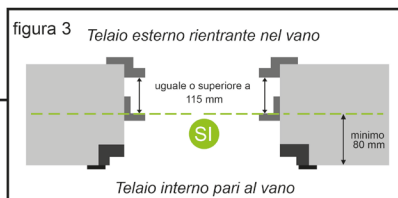
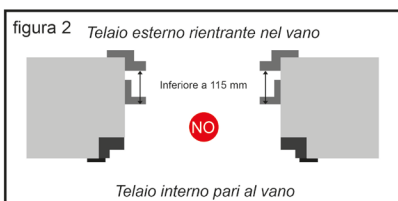
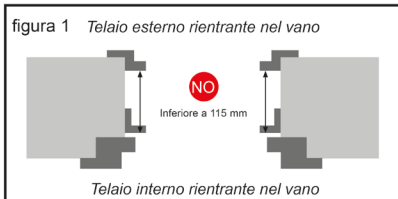
**DISEGNO 4**  
 FIGURE FISSAGGIO ANGOLARE



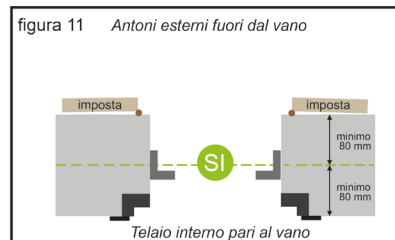
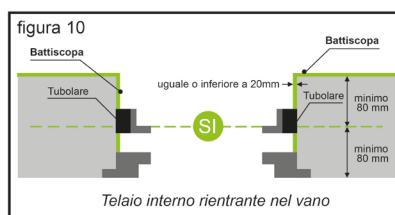
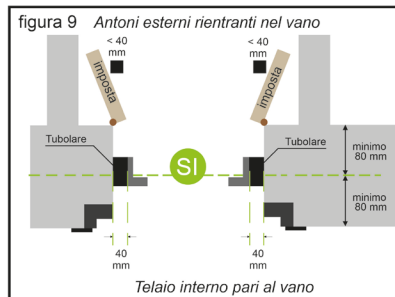
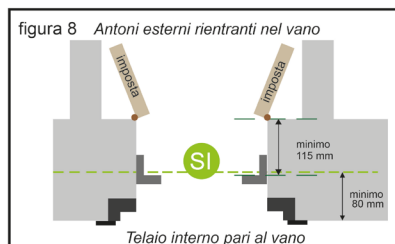
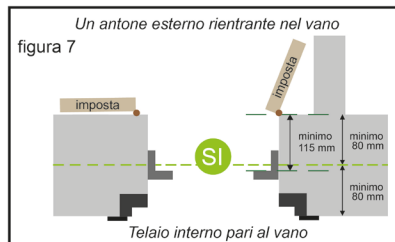
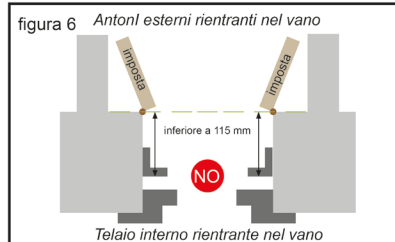
**Nota:** gli angolari devono essere a piombo e ortogonali alla soglia che deve essere a livello più o meno di 1 mm rispetto alla livella laser di precisione

**PROBLEMATICHE DI INSTALLAZIONI NEL VANO**

**con TELAIO**

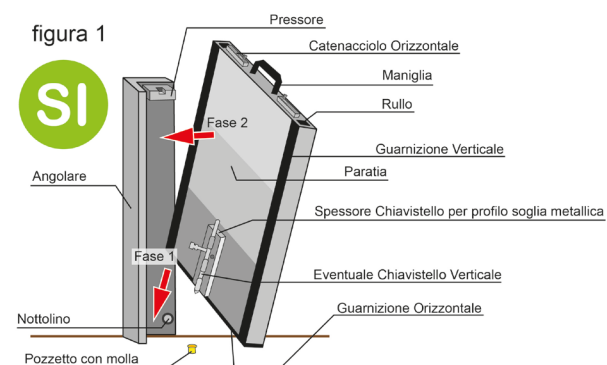


**con CARDINI**

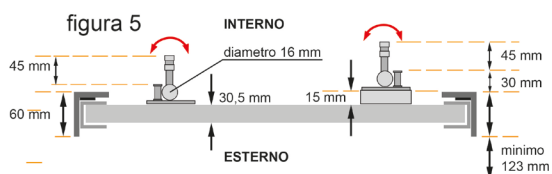
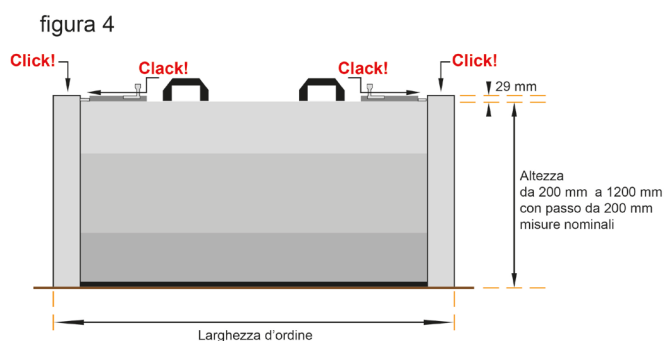
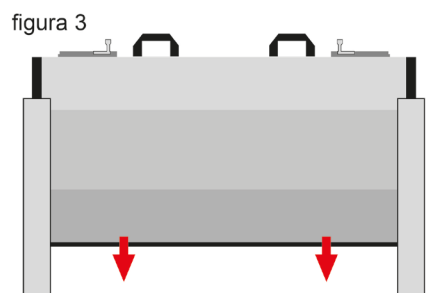
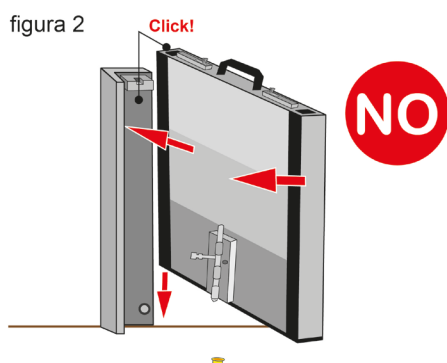


**RAPID Barrier:** Minimum space for insertion and interlocking, including corners is 115 mm.

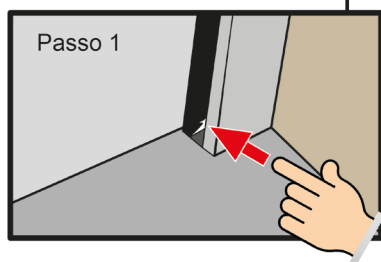
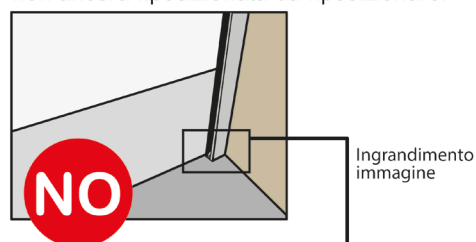
## DISEGNO 6 POSIZIONAMENTO BARRIERA RAPID



**BREVETTATA**



Risultato guarnizione appena inserita e inadeguata, non ancora riposizionata da riposizionare!



**ATTENZIONE!**

Dopo l'inserimento corretto della paratia riposizionare correttamente le guarnizioni premendone con un solo movimento e una alla volta prima orizzontalmente (Passo 1) e poi verticalmente verso il basso (Passo 2)

## DISEGNO 7 RIPOSIZIONAMENTO GUARNIZIONE PARATIA RAPID

## **LEAK TEST**

A sample of the anti-flood barrier, called RAPID, underwent leak tests by Istituto Giordano SpA.

Test report no. 361509 dated 22/05/2019 on RAPID barrier tested up to 500cm x 100cm; from the test the product complied with ift guideline FE-07/01.