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## INSTRUCTION BOOKLET

For assembly, use and storage

(November 2021)

### WARNING

It is recommended to scrupulously follow the instructions contained in this booklet and those which, in relation to the particularity of the work, the manufacturer will provide to supplement these.

The contractual warranty is twenty-four months from the date of shipment of the material and does not cover damage caused by failure to follow the instructions, failure to comply with the installation procedures, improper use of the bulkhead, negligence by the customer and in general all those damage not directly attributable to the manufacturer.

# INDEX

1. Bulkhead installation.....	pag. 2
1.1. Material required for installation.....	pag. 2
1.2. Mounting accessories.....	pag. 3
1.3. Standard mounting.....	pag. 4
1.4 Front mounting.....	pag. 8
1.5 Assembling the sill plate.....	pag. 12
1.6 Assembling the beaver bulkhead with stackable modules.....	pag. 15
1.7 Special precautions .....	pag. 17
1.8 Section break bolts.....	pag. 17
2. Assembly instructions.....	pag. 18
2.1. Before application .....	pag. 18
2.2. Bulkhead application.....	pag. 19
2.3 Removal.....	pag. 19
2.4 Application of the Beaver bulkhead.....	pag. 20
2.5 Conservation.....	pag. 21

# BULKHEAD INSTALLATION

You can find the video guide on our YouTube channel



**Important** The bulkhead must always be mounted from the outside towards the inside of the environment to be protected

What you will find in the **bulkhead kit** you have purchased:

1. The complete bulkhead of the pair of corner pieces
2. A suitable polymer tube for sealing the inlet
3. A can of lubricant
4. A pair of hooks complete with screws and washers
5. Handles complete with screws
6. A small spatula for making the low sealing bead



## MATERIAL REQUIRED FOR INSTALLATION



Meter



Caulking gun



Level



Screwdriver



Drill



Bit suitable for 10 mm  
dowels



Dowels of  
10mm



L square



Allen key of 6



Chisel



Pencil



Hammer



Paper tape

## MOUNTING OF ACCESSORIES

The bulkhead is shipped with the handles and fixing hooks disassembled. Before proceeding with its use it is necessary to assemble them.



### Handle assembly

To assemble the handles it is necessary to use an Allen key, then using the screws supplied fix the handles on the top of the bulkhead where the inserts are present.

The maximum fastening torque is 24 N.m



### Fastening of the hooks

To fix the hooks (see fig. 1) it is necessary to use a screwdriver.

Insert the hooks into the spaces to the right and left of the bulkhead (see fig. 2, taking care to insert the tip into the slot).

Then fix the hook by inserting the screws supplied in the appropriate holes (see fig. 3).

The maximum tightening torque is 6 N.m



Fig. 1

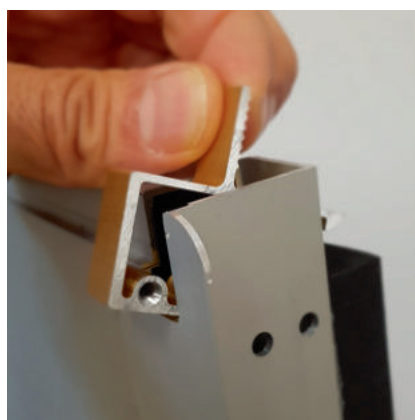


Fig. 2

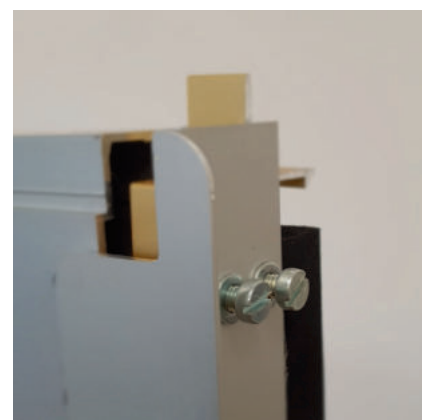


Fig. 3

## STANDARD ASSEMBLY

To fix the corner pieces, it is necessary to use 10 mm diameter plugs suitable for the type of masonry present in the destination compartment.



Fig. 4

Hook the corner pieces to the bulkhead



Fig. 5

Insert the bulkhead with the angles into the entrance



Fig. 6

Position the bulkhead at the desired distance



Fig. 7

Keeping the bulkhead square with the sill, trace the position of the corner pieces.



Fig. 8

After removing the bulkhead, eliminate any bumps from the corners using a hammer and chisel



Fig. 9

Position the corner pieces on the previously made track and mark the holes







Fig. 10

Drill the wall at the marks



Fig. 11

After blowing the dust out of the holes, insert the dowels



Fig. 12

Silicone the corners, first on the back, on the surface which will then lean against the wall



Fig. 13

Silicone the corner profile that will rest on the ground



Fig. 14

Screw the corner pieces to the wall, using a screwdriver or screwdriver



Fig. 15

Remove the excess silicone



Fig. 16

Lubricate the gasket pads and bulkhead mounting plates



Fig. 17

Insert the bulkhead to check that everything is fine



Fig. 18

Prepare the wall for the front silicone coating, protecting it with masking tape



Fig. 19

Make the corner silicone bead, and smooth it by squeezing the silicone inwards



Fig. 20

Prepare the threshold for the frontal siliconging by protecting it with masking tape





Fig. 21

Create a bead at the base



Fig. 22

Model the cord using the plate supplied with the bulkhead



Fig. 23

Final result, the bead must measure 10x10 mm



**VERY IMPORTANT**

**VERY IMPORTANT**



## FRONT MOUNTING



Fig. 24

Hook the corner pieces to the bulkhead



Fig. 25

Space the angles apart to position them at the nominal width



Fig. 26

Eliminate any roughness from the corners using a hammer and chisel



Fig. 27

Position the bulkhead in front of the compartment to be protected





Check that the corner pieces with their rear thicknesses (plates or tubes depending on the version) adhere uniformly to the wall



Fig. 28

If they remain spaced somewhere, provide shims to keep the bulkhead on the same plane



Fig. 29

Trace the position of the corner pieces taking care to press the bulkhead against the wall



Fig. 30

Position the corner pieces following the trace and mark the fixing holes



Fig. 31

Drill the wall in correspondence with the marks made



Fig. 32

After blowing the dust out of the holes, insert the dowels





Fig. 33

First silicone the shims (tubular or flat), on the surface that will rest on the ground and on the surface that will rest on the wall



Fig. 34

Silicone the corners, first on the side that will rest on the ground and then on the surface that will come into contact with the spacer



Fig. 35

Screw the corner pieces to the wall, using a screwdriver or screwdriver, placing the thickness between the corner piece and the wall



Remove the excess silicone



Fig. 36

Lubricate the gasket pads and bulkhead mounting plates





Insert the bulkhead to check that everything is fine



Fig. 37

Prepare the wall for the front silicone coating, protecting it with masking tape



Fig. 38

Make the corner silicone bead, and smooth it by squeezing the silicone inwards



Fig. 39

Prepare the threshold for the frontal siliconing by protecting it with masking tape



Fig. 40

Create a bead at the base



Fig. 41

Model the cord using the plate supplied with the bulkhead. The final result, the cord must measure 10x10 mm



## THRESHOLD INSTALLATION

To fix the threshold plate it is necessary to use 10 mm diameter plugs suitable for the type of masonry present in the destination compartment.

If, in addition to the joints, the threshold of the opening is uneven, we recommend using a product similar to Mapei's Adesilex PG1 or Draco's DRACOFIX-EP to level it.



Fig. 42

Place the threshold plate



Fig. 43

Position yourself at the correct distance



Fig. 44

Mark the holes for the dowels



Fig. 45

Check the straightness of the floor, by placing the plate vertically



Fig. 46

Mark the locations where leveling is required on the floor



Fig. 47

Drill the necessary holes for the dowels



Fig. 48

After blowing the dust out of the holes, insert the dowels

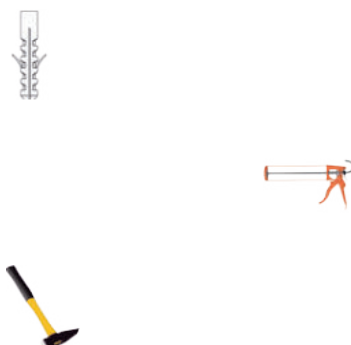


Fig. 49

Siliconise the locations that do not need leveling.



Fig. 50

Lay out the material necessary for levelling



Fig. 51

Place the threshold plate



Fig. 52

Secure the plate with dowels



Fig. 53

Apply the tape to protect the floor





Fig. 54

Using one of the tubulars, check that the plate does not have any "humps"



Fig. 55

If there are "humps" press gently on the highest points



Fig. 56

Siliconise the edges of the plate



Fig. 57

Remove the tape and wait for the silicone and the mortar used for leveling to harden.



Fig. 58

proceed with the silicone coating of the fixing screws



Fig. 59

Squeeze off the excess silicone

## ASSEMBLY OF STACKABLE BULKHEADS

To fix the bulkhead it is necessary to use 10 mm diameter plugs suitable for the type of masonry present in the destination compartment.



Fig. 60

Insert one of the stackable pipes in the two columns and insert the columns in the compartment to be protected.



Fig. 61

Using a set square position the columns perpendicular to the floor

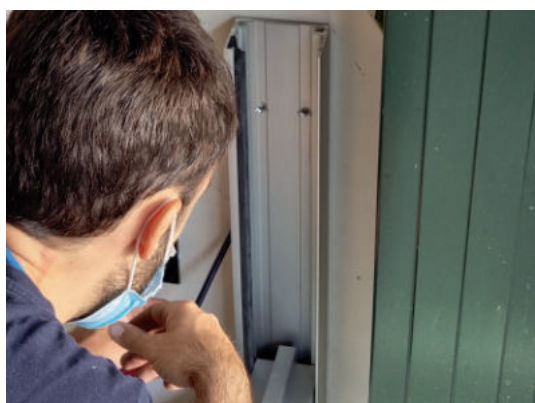


Fig. 62

Mark the position of the column and the holes for the dowels



Fig. 63

Proceed with drilling for the application of the dowels







Fig. 64

After blowing the dust out of the holes, insert the dowels



Fig. 65

Silicone the wall in correspondence with the application of the column



Fig. 66

Carefully silicone the part in contact with the floor of the columns



Fig. 67

Place the columns against the wall



Fig. 68

Screw in the dowels

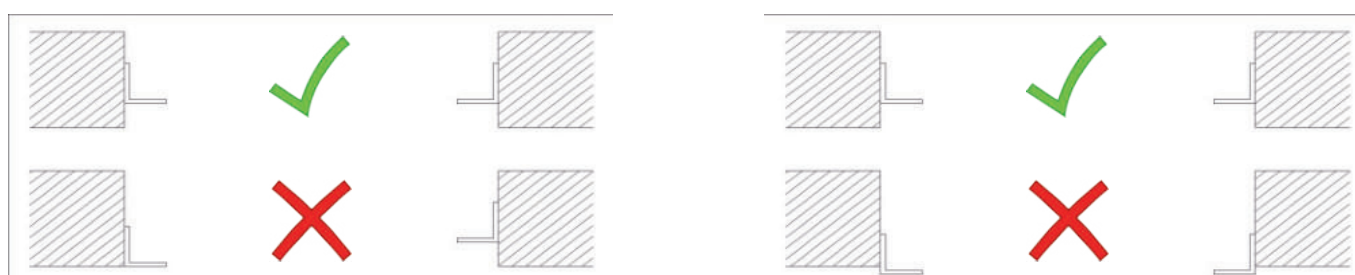
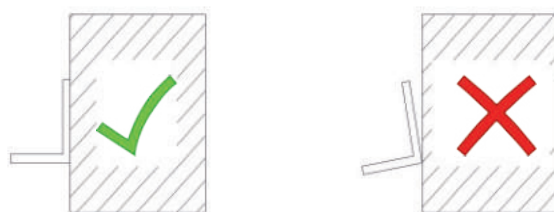


Fig. 69

Protect the edges of the columns and proceed with the creation of the perimeter silicone beads

## SPECIAL PRECAUTIONS

When fixing the corner pieces, pay attention to any gaps between the corner piece and the wall which must be filled with the sealant provided.



## SECTION BREAK BOLTS

In some bulkheads, depending on the length and height, there are bolts to break the section.

During the installation of the bulkhead it is necessary to prepare, in correspondence with the bolts, holes which allow it, once assembled, to be inserted and fixed firmly to the floor. A spring trap is supplied to be installed in the floor, for its placement it is necessary to make a hole with a diameter of 25 mm.

# ASSEMBLY INSTRUCTIONS

## BEFORE APPLICATION



Check the condition of the gaskets, if damaged by tears or fingerprints or if excessively worn, they **must be replaced**

Examples of gaskets with damages that compromise their use



Fig. 70



Fig. 71



Fig. 72



Fig. 73

Clean the inlet threshold and the interlocking plates from any dirt present



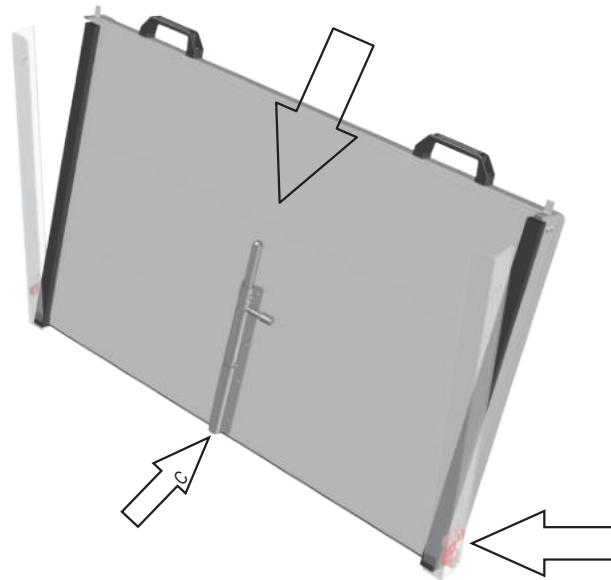
Fig. 74

Lubricate the gasket pads and bulkhead mounting plates



## BULKHEAD APPLICATION

1. Fit the plates on the bulkhead into the appropriate seats on the corner pieces
2. Pressing down firmly, proceed by pushing the bulkhead towards the corners until the two hooks are locked (classic "clack" noise)
3. If present, close the section break bolts checking that they are inserted in the seat on the floor



## BULKHEAD REMOVAL

1. If present, raise the bolts
2. Release both locking hooks, taking care to apply slight pressure on the bulkhead
3. Rotate the bulkhead outwards and disengage the interlocking plates
4. Remove the bulkhead



The hooks can be opened in two ways:

1. applying force to the upper part of the triangle
2. inserting a pin (for example a screwdriver with a max diameter of 6.5 mm) in the hole and pressing down



Fig. 75

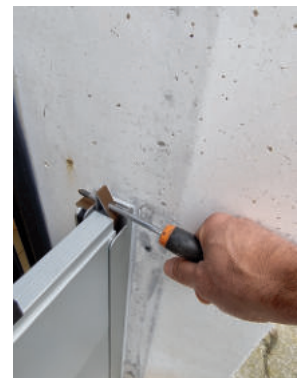


Fig. 76



## BEAVER BULKHEAD APPLICATION



Fig. 77

Before inserting the tubulars, abundantly lubricate the vertical seals



Fig. 78

Insert the tubular first on one side then on the other and slide it downwards



Fig. 79

Lift the end that slipped in first, a few centimeters and reposition it to orient the vertical gasket

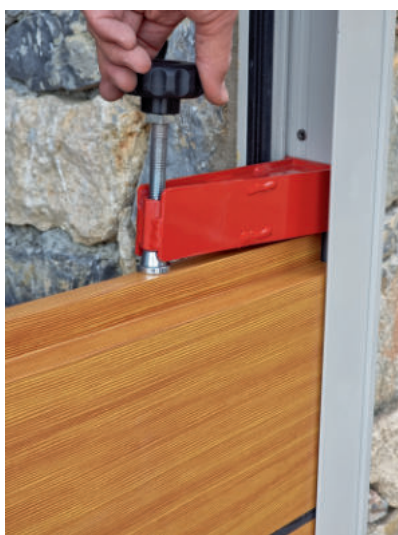


Fig. 80

Insert the locks from above by sliding them up to the beam, taking care to unscrew the knob as far as it will go



Fig. 81

Screw the knob by pressing the end of the retainer, at the end of the fixing the retainer must be perfectly blocked.

## BULKHEAD PRESERVATION



In order not to damage the seals, the bulkhead must always be kept keeping them raised off the ground and away from the walls, for example:

1. Upside down and leaning against the wall from the outside (Fig. 82)



Fig. 82



Fig. 83



**Whatsapp**



**Facebook**



**YouTube**



**Instagram**



## Hydraulic seal test

A sample of our Tritone anti-flooding bulkheads was subjected to tightness tests by the TÜV Italia Certification Body:

- **Tritone bulkhead** test report n° MES1849135B00TR dated 20/12/2021 relating to the model Ti103000 (1 meter high and 3 meters wide)

- **Tritone Beaver bulkhead** test report n° MES1849135C00TR dated 20/12/2021 relating to model B123500 (1.2 meters high and 3.5 meters wide).