

Installation guide nr.:	MOVO-0008
Version	V2
Publication date	1/04/2015



INSTALLATION GUIDE

DUOFUSE® GARDEN GATE

The Duofuse® wood composite garden gate is much more durable than a wooden gate, and correct installation is necessary to enjoy it for years. We recommend reading through the entire installation instructions before starting, and please check the website for the latest installation instructions.

Plastivan disclaims responsibility for damage caused by, or failure of, the product as a result of faulty installation caused by failure to follow these instructions. Failure to follow these instructions will void Plastivan warranty.

The garden gate should be acclimatised for a minimum of 24 hours before starting the installation. Remove packing if present. Cover the garden door against rain and sunshine. Do not install the door in temperatures below 5°C. Use a drill with low speed and high torque.

The colours and the surface brushing may differ slightly from production deliveries and are not contractual. When the garden door has been exposed to some showers, water circles and drips may occur. This is a temporary process which is caused by the release of lignin out of the wood. After some time this process stops and the water circles disappear completely.

Guidelines for defining the sense of rotation of the garden gate.

The Belgian norm NBN states that:

-a door that is opened with the left hand is a "left" door.

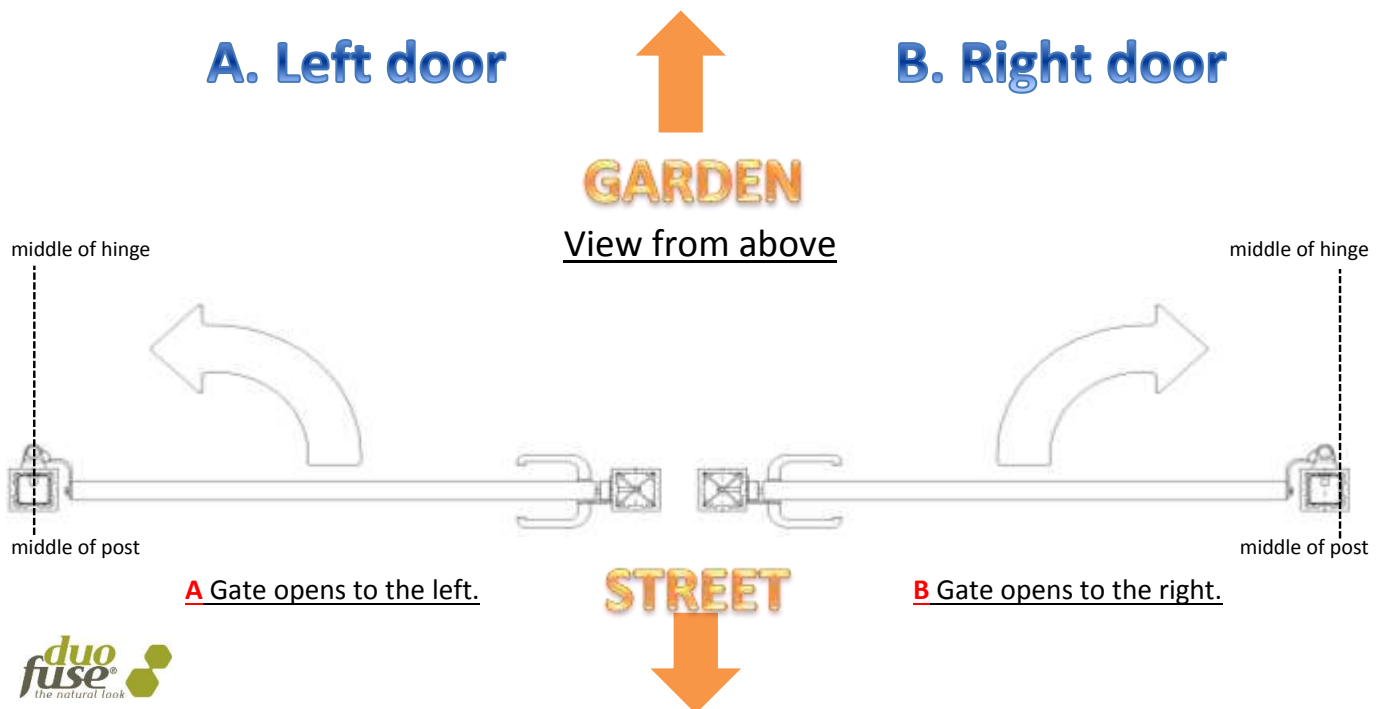
-a door that is opened with the right hand is a "right" door.

Both doors turn away from the person with a forward movement path.

The gate is always turning away from the street side towards the garden.

The gate is best fitted to a post that is attached to a wall,

this to prevent the gate to blow over.



A. Left gate



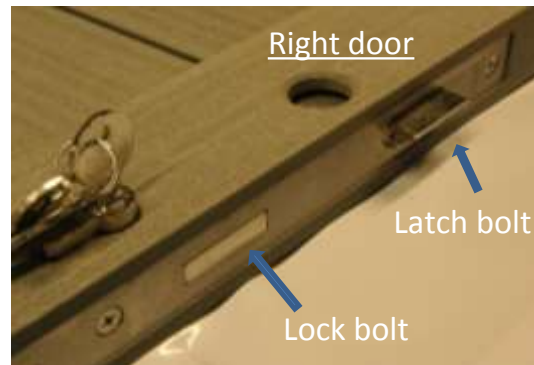
B. Right gate



Preparation of gate and lock according to the direction of rotation.

The gate comes standard as a right-hand gate, the latch bolt is fitted for a right lock.

If you wish to change direction, follow the following steps.



Dismantling the cylinder of the lock

A. Unscrew the screw of the cylinder lock fully and remove it.

B. Remove the cylinder by turning the key and pull out the cylinder.

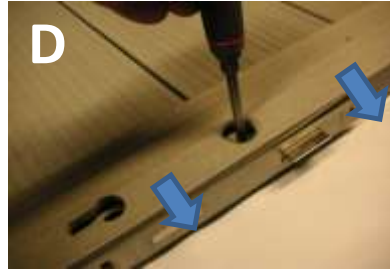
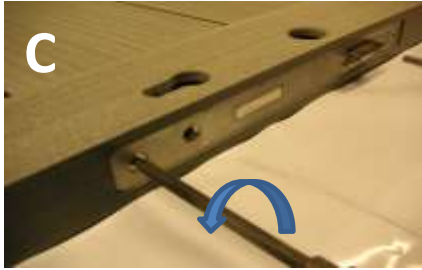


Dismantling the lock

C. Remove the screws from the lock.

D. Insert a screwdriver into the opening of the handle and pull out the lock carefully.

E. Remove the lock.



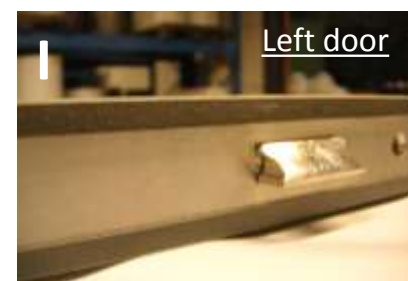
Turning the latch bolt

F. Push the lip at the back and the latch bolt comes forward.

G. Turn the latch bolt 180°.

H. Push the latch bolt back in.

I. The gate has now been changed to a left gate.



Reassemble the lock and the cylinder

Attaching the handle



J - K pitch the left and right handle with plastic rings, compress thoroughly

L - M Lock with Allen Key M3



The post to which the hinges are mounted.

1 The post is delivered ready to install.

The bolts and rings to fix the hinges are included.

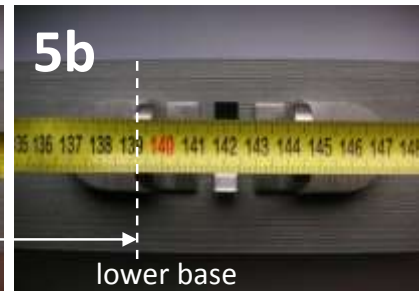
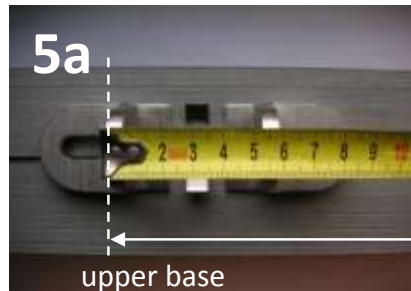


2 The inside of the post is a galvanized steel tube

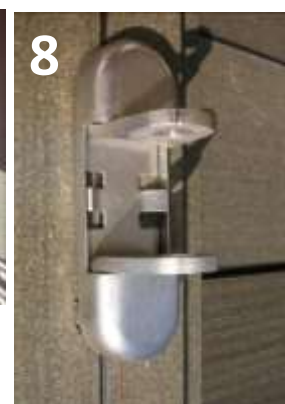
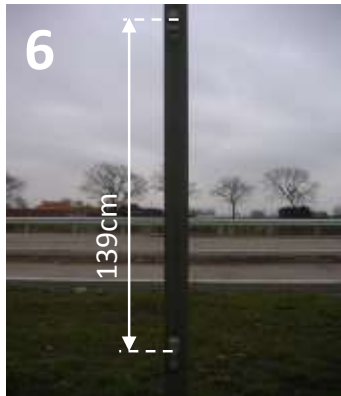


3b The wire rivets, bolts M10x40 mm and washers M10 are included.

4 Fix the two bases with bolt and washers onto the post.



5a-5b-6 Measure 139 cm from the top from upper base to the top of lower base.



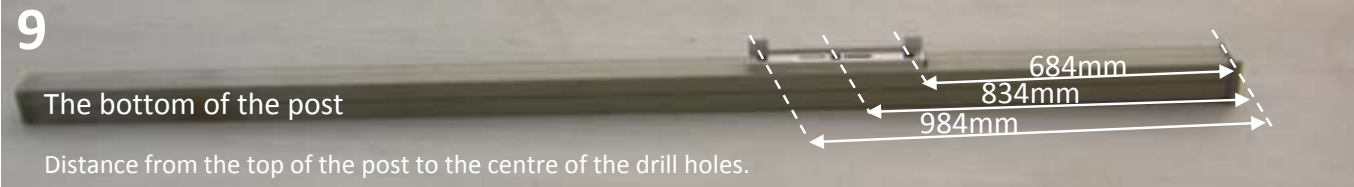
7a-b Fix the bolts with a English key or ratchet spanner.

8 Remount the cap onto the base.

Preparation of the post on which the stop and latch bolt are mounted.

9 Make sure the post is indeed 270 cm long, if longer saw it at the right size.

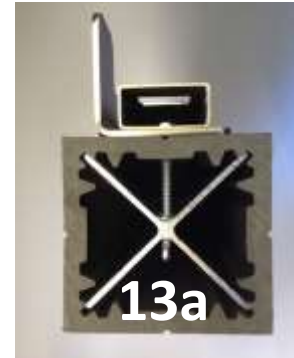
Mark the holes of the stop.



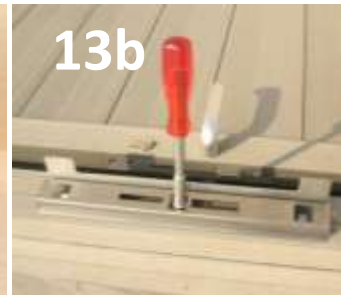
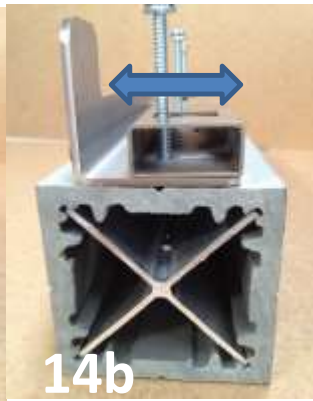
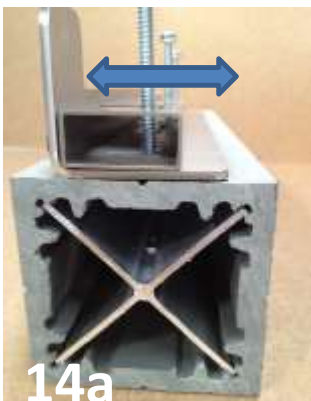
2a - 2b Before mounting the base of the hinge pay attention to the sense of rotation of the gate.



11 The inside of the standard post has an aluminium cross profile as reinforcement.

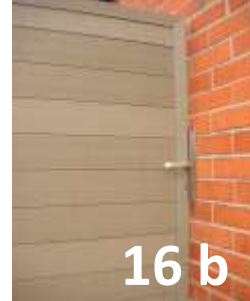
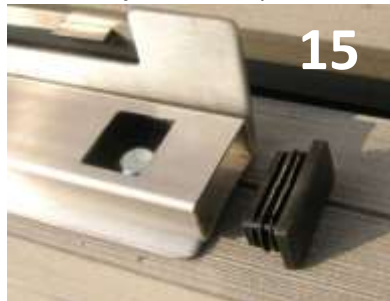


12 Drill a hole with a drill of 5 mm, 60 mm deep through the aluminium.



13a-b Fix the self drilling bolts into the stop and latch and tighten the bolt with a hollow screw driver or a ratchet spanner size 13.

14a-b Adjust the stop and latch so that the day and night lock are on the right position.



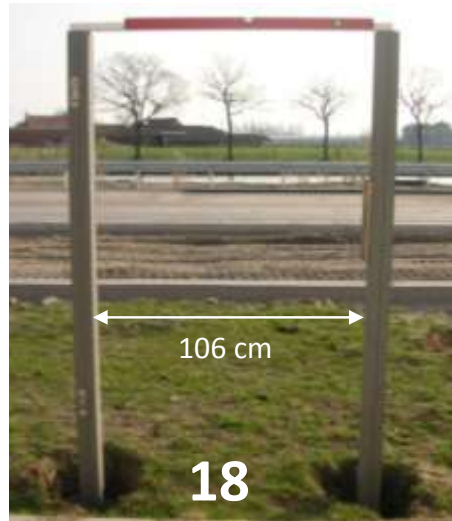
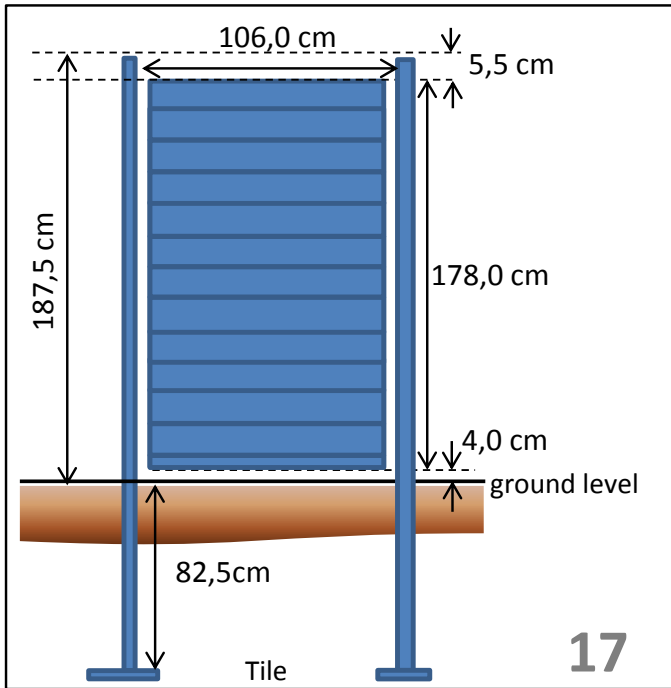
15 Install the plastic cap in the top of the stainless steel tube.

16a If the gate is placed with the hinge against the wall then the post has to be cut to a length of 187,5 cm and fix it to the wall.

16b If the gate is placed against a wall, the stop and tube profile with latch and lock bolt can be mounted directly to the wall.

13c Bolts, washers and plugs for the fixing of the stop and latch on the wall and post.

The placement of the posts and levelling the gate



17 Mounting scheme of the gate.

18 Make the holes about 90 cm deep and 40 x 40 cm wide. Place a tile at the bottom of the hole, this ensures that the post can no longer sink.

Make sure that the distance from the top of the tile to the ground level is just 82.5 cm.

This is to provide an opening of 2 cm between the bottom of the gate and ground level.

Place a level on top of the 2 posts to insure an equal height of posts.

The distance between the posts is 106 cm.

19 Hold a level vertically against the post to insure it is dead straight.

Pour into each hole 25 kg rapid concrete and let it harden overnight.



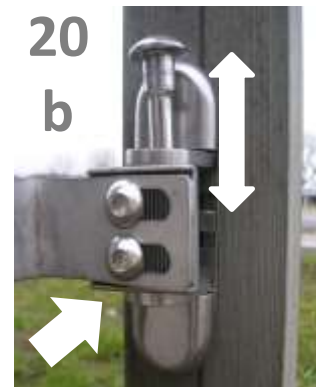
20a Attach the hinge to the gate.

On the side of the gate, there are two holes above and below.

Lay parallel to the edge of the gate and fasten.

Use the supplied bolt M8 x 25 mm and the flat washers M8. Tighten with an Allen Key No. 5.

20b Loosen both bolts and remove the pin. this pin can only be pushed upwards when both bolts are loosened.



Mounting and calibration of the gate.



21a



21b



21c

21ab. Mounting the gate between the posts.

21c. Adjusting the gate by controlling the hinges (see fig. 23)



22

22. Place the gate in the hinges and slide the pin down into the hole.

23. The hinge can be adjusted horizontally. Start with placing the hinge completely to the right.

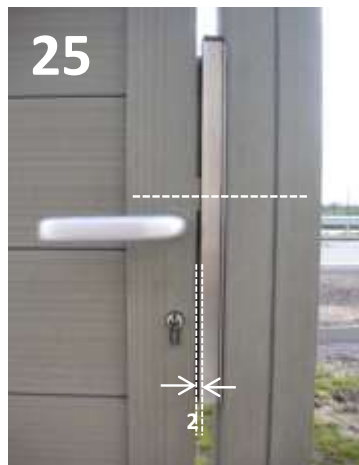
24a Secure the hinge with Allen Key No 6.



23



24a



25

25 When the gate hangs into the hinges and the gate is closed, the latch bolt should be in the middle of the latch bolt opening.



26

26.1 Latch bolt opening.
2 Lock bolt opening.



27

27. Adjust the hinges so that the latch bolt fits as far as possible into the lock.



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