Installation guide
ON-GROUND BLOCKADE
SUITABLE FOR LEVEL GROUND

SAFE HANDLING PROCEDURE

Blok N Mesh recommend that fencing panels be handled and installed by a minimum of 2 people.

Wherever possible, manual handling of the product should be avoided by the use of mechanical lifting equipment.

It is essential that every load is assessed prior to lifting to reduce the risk of injury.

All manual handling should be carried out in accordance with The Manual Handling Operations Regulations 1992 and later amendments.

THE INSTALLATION PROCESS

1. Place ZT base at proposed starting point of installation.
2. Insert ZT bar fully into ZT base, ensuring the bar is touching the upright of the base as shown, and tighten bolt (Recommended torque 15NM or 11lb/ft).
3. Slide 2x ZT loading trays onto the ZT bar as shown and tighten the 3 bolts closest to the base (Recommended torque 15NM or 11lb/ft). Do not tighten the fourth bolt at this stage.
4. Place a minimum of 272Kg *ballast on each loading tray (Refer to site specific wind load calculations for additional ballast requirements).
5. Measure the correct distance to the next base and repeat steps 1 to 4 along the installation line.
6. Unscrew and remove the fourth bolt on the ZT loading tray furthest from the ZT base.

**BALLAST SHOWN IS FOR ILLUSTRATIVE PURPOSES ONLY, ADDITIONAL BLOCKS ARE NEEDED TO MAKE UP THE REQUIRED WEIGHT**
Place a dummy tube into the end hole of the first ZT base. **BALLAST SHOWN IS FOR ILLUSTRATIVE PURPOSES ONLY, ADDITIONAL BLOCKS ARE NEEDED TO MAKE UP THE REQUIRED WEIGHT**

Place a hoarding panel into the first two bases as shown. **BALLAST SHOWN IS FOR ILLUSTRATIVE PURPOSES ONLY, ADDITIONAL BLOCKS ARE NEEDED TO MAKE UP THE REQUIRED WEIGHT**

Place support brace on fourth bolt hole and re-insert and tighten bolt (Recommended torque 15NM or 11lb/ft). **BALLAST SHOWN IS FOR ILLUSTRATIVE PURPOSES ONLY, ADDITIONAL BLOCKS ARE NEEDED TO MAKE UP THE REQUIRED WEIGHT**

Disassemble 2 couplers as shown, and place two halves and the bolts on the outside of the fence line, the other halves and nuts on the inside of the fence line.

Insert the brace lock into the top tubes. Place the bolt through the coupler half and brace lock and also the second coupler half.

Attach the support brace onto the coupler bolt as shown and secure with nut and tighten (Recommended torque 13NM or 9.5lb/ft). **BALLAST SHOWN IS FOR ILLUSTRATIVE PURPOSES ONLY, ADDITIONAL BLOCKS ARE NEEDED TO MAKE UP THE REQUIRED WEIGHT**

Insert the second coupler bolt through the half of the coupler and the upright of the ZT base, replace other half and nut and tighten (Recommended torque 13NM or 9.5lb/ft).

Continue to erect hoarding in the same way until installation is complete. Ensure all connections are tightened to the recommended torque settings prior to inserting next panel.

Insert a dummy tube at the end point to allow to the last panel to be braced.

Important Safety Notice
It is the client’s responsibility to ensure that the installation is fully checked on a regular basis, particularly after high winds or severe weather conditions, paying particular attention to the security of fixings used within the installation.

*BALLAST
Please note the ballast shown is for illustrative purposes only. It is the responsibility of the customer to satisfy themselves that the quantity of ballast supplied and installed is sufficient for their site conditions. Blok N Mesh UK Ltd recommend that site-specific structural calculations are obtained for every installation.

The following examples of ballast required per tray are taken from generic calculations (factor of safety 1.5), for guidance only and do not replace the need for a site-specific calculation:-

- London: 274kg per tray (544kg per panel)
- Birmingham: 346kg per tray (692kg per panel)
- Newcastle: 392kg per tray (784kg per panel)
Place first vehicle gate leaf into the ZT base at the required location and secure in closed position.

Measure the correct distance to the point where the second gate leaf will be secured and continue the fence line using steps 1 to 13.

As soon as you have secured two or more panels in place, connect the second gate leaf using the same process as in step 16.

Place pedestrian gate into ZT base at required location and secure using the same process as step 16.

Measure the correct distance and continue the fence line using steps 1 to 13, using the latch pole in stead of the dummy tube.  
**BALLAST SHOWN IS FOR ILLUSTRATIVE PURPOSES ONLY, ADDITIONAL BLOCKS ARE NEEDED TO MAKE UP THE REQUIRED WEIGHT**

To secure gate, ensure the latch is in the upright position and lower onto latch pole as shown.
THE INSTALLATION PROCESS: GROUND SKIRTS

22. Place the first ground skirt at the start of the fence line and secure in place using two Tek screws as shown, one at the outer edge and one half way along the skirt, ensuring they are fully tightened.

23. Place the next skirt in position so that it reaches half way across the space between the panels and secure one end. This will leave an overlap in the centre of the panel, which is to be secured using the remaining screws as shown.

24. Repeat steps 22 and 23 along the entire length of the installation.

THE INSTALLATION PROCESS: PRIVACY INFILLS

25. Place the infill in position covering the gap and level with the top of the panels.

26. Insert the bolt through the top hole from the outside of the hoarding line and through the brace lock slot and attach the Backing Plate on the inside of the hoarding line. Attach nut and tighten to secure the Privacy infill in place (Recommended torque -7NM or 5lb/ft).

27. Insert the bolt through the bottom hole from the outside of the hoarding line and attach the Backing Plate on the inside of the hoarding line. Attach nut and tighten to secure the Privacy infill in place (Recommended torque -7NM or 5lb/ft). Repeat steps 26 and 27 for all subsequent Privacy Infills along the entire length of the installation.

Disclaimer
Blok ‘N’ Mesh UK Ltd is not liable for any 3rd party installations. This installation guide is a guide only. Blok ‘N’ Mesh UK Ltd strongly recommends that a full risk assessment and method statement should be carried out prior to installation.

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