

s04 Cycle Shelter



s04 Cycle Shelter



DESCRIPTION

storage.

Galvanized mild steel frame with a powder coated finish. Sheeted with 6mm clear polycarbonate, UV resistant.

DIMENSIONS

Height 2457mm, Depth 2324mm, Length 4250mm (Single Bay) 8250mm (Two Bay) 12,250mm (Three Bay).

OPTIONS

Choice of RAL colours for powder coating.

Constructed from galvanized mild steel with a powder coated finish and 6mm UV resistant polycarbonate sheeting providing, the s04 offers a tough yet refined solution to bicycle

Available in any RAL colour and with any number of bays each facilitating 10 bicycle spaces.

The s04 is designed to be below ground flange fixed, foundations following the engineer's specification.



s04 Fixing Instructions

GROUND PREPARATION

- 1. Concrete slab must be laid level on top of well compacted hardcore following engineers specification. For dimensions see table to the right.
- 2. Once concrete has cured, shelter can be fixed (see step C).



s04 Fixing Instructions

UPRIGHTS

- 1. Use M12x50mm SS bolt with washer and nyloc nut to connect the roof support to the upright (provided by Omos). Carefully spread the uprights to make the holes line up.
- 2. Once assembled carefully lay down on some packaging material ensuring the painted surface does not get scratched.



s04 Fixing Instructions

STEP C 1/3

FIXING AND ROOF ASSEMBLY

- Starting at one end, position the upright in the correct location. Ensure that the upright is orientated at exactly 90
 degrees to the direction in which the shelter is to run. Mark through the fixing holes in the flange, remove and drill. Omos
 recommends using a chemical anchor such as HIT-VR MI6 (anchor rod, embedment depth 200mm) with Hilti HIT-HY
 200A (resin). Follow the anchor manufacturers' guidelines. See fixing detail Step C 3/3. (If preferred, only drill one of
 the holes to the rear of the shelter and fix the upright loosely until the next section is attached. This will allow for some
 directional adjustment prior to drilling the remaining holes).
- 2. Slide the roof support/connector structure onto the brackets projecting from the end upright. While supporting this, slide the next upright onto the other end of the support/connector structure. Loosely bolt the structure together using Ml2x50 SS bolts with washers (provided).
- 3. Ensure the position is correct then, if not already done, drill the remaining holes for the end upright. Insert anchors following manufactures instructions. Before tightening nuts check that the upright is plumb in both directions. Note the front of the upright should be tilting forward slightly as per view to the left. If necessary use shims. Tighten nuts.
- 4. Check the position of the second upright. The distance between each of the uprights (ctr. to ctr.) must be 4000mm. Once in the correct position, drill through the four fixing holes as previously done. Repeat the fixing down procedure.
- 5. Follow the same steps for the remaining roof support/connector structures and uprights until the structure is complete. (See instructions for multiple bays on following page).



s04 Fixing Instructions

FIXING AND ROOF ASSEMBLY 2+ BAYS

- 1. Starting at one end, position the upright (End type) in the correct location. Ensure that the upright is orientated at exactly 90 degrees to the direction in which the shelter is to run. Mark through the fixing holes in the flange, remove and drill. Omos recommends using a chemical anchor such as HIT-VR MI6 (anchor rod, embedment depth 200mm) with Hilti HIT-HY 200A (resin). Follow the anchor manufacturers guidelines. See fixing detail Step C 3/3. (If preferred only drill one of the holes to the rear of the shelter and fix the upright loosely until the next section is attached. This will allow for some directional adjustment prior to drilling the remaining holes).
- 2. Slide the roof support/connector structure onto the brackets projecting from the end upright. While supporting this, slide the next upright (centre type) onto the other end of the support/connector structure. Loosely bolt the structure together using Ml2x50 SS bolts with washers (provided).
- 3. Ensure the position is correct then, if not already done, drill the remaining holes for the end upright. Insert anchors following manufactures instructions. Before tightening nuts check that the upright is plumb in both directions. Note the front of the upright should be tilting forward slightly as per view to the left. If necessary use shims. Tighten nuts.
- 4. Check the position of the second upright. The distance between each of the uprights (ctr. to ctr.) must be 4000mm. Once in the correct position, drill through the four fixing holes as previously done. Repeat the fixing down procedure.
- 5. Follow the same steps for the remaining roof support/connector structures and uprights until the structure is complete.



s04 Fixing Instructions

FIXING DETAIL



s04 Fixing Instructions

STEP D 1/2

ROOF SHEETING

- Starting at one end of the shelter, place the roof sheet on top of the structure and line up with holes in the top of the shelter. Repeat on other end of the shelter. This should leave a gap of approx 7mm between the sheets. The end sheet should also be flush with outside edge of the structure. Remove the protective coating from anywhere the sheets make contact with the metal structure.
- 2. Fix down the roof edge clamps to the front and rear edge of the roof using the tech screws provided.
- 3. Starting at the end, loosely fix down the first end roof clamp strip (80mm wide). Next fix down the intermediate roof
- 4. Clamp strip (50mm wide) and finally 80mm wide clamp strip at the opposite end. (See instructions for multiple bays on following page).



OIVIOS

s04 Fixing Instructions

STEP D 2/2

ROOF SHEETING 2+ BAYS

- The roof sheets come in two different sizes, the end sheets are the larger of the two and are 2036.5mm wide. Starting
 at one end of the shelter, place the end roof sheet on top of the structure and line up with holes in the top of the shelter.
 Repeat on other end of the shelter. Place centre roof sheets in position and line up with holes. This should leave a gap of
 approx 7mm between each sheet. The end sheets should also be flush with outside edge of the structure. Remove the
 protective coating from anywhere the sheets make contact with the metal structure.
- 2. Starting at the end fix down the first edge clamp to the front and rear edge of the roof. Note: there are 4no. end pieces and they are 2040mm long. The remainder are 2000mm long and they are used between each end.
- 3. Starting at the end fix down the first edge clamp to the front and rear edge of the roof. Note: there are 4 no. end pieces and they are 2040mm long. The remainder are 2000mm long and they are used between each end.
- 4. Repeat above steps until all sheets are fixed down. Finally tighten all tech screws and add tech screw covers.



www.omos.ie

s04 Fixing Instructions

CYCLE STAND POSITIONS







s04 Fixing Instructions

STEP E 2/2

CYCLE STAND POSITIONS



10 Space Cycle Stand Option



12 Space Cycle Stand Option

Maintaining Powder Coating



Polyester powder coating is a dry finishing process where a polyester resin powder is applied to a metallic surface and then oven-baked. This creates a durable, protective finish that resists corrosion, weathering, and UV damage. Its versatility allows for a wide range of colour choices, ensuring vibrant and long-lasting aesthetics for diverse applications.

Despite its durability, some care is required to maintain the appearance of the material. The extent to which maintenance is required depends on a number of factors. These include environmental conditions, construction activity and level of use.

To maintain the original appearance of the metalwork, it should be cleaned regularly using warm soapy water. Avoid the use of abrasive cleaners as they may damage the surface finish.

Should the coating become chipped or scratched, it can be touched up using a colour matching metal paint. Where the surface becomes, damaged clean with a wire brush or sandpaper, then paint with an outdoor metal paint. Omos recommends Uni 2k paint which can be purchased from most industrial or automotive paint suppliers. We recommend testing on a hidden area to ensure a good colour match before applying to the damaged region. For further advice contact Omos.

Maintaining Polycarbonate Sheeting

UV POLYCARBONATE SHEETING

Polycarbonate sheet is a highly durable and transparent material made from polycarbonate resin. The material is extremely weather resistant to conditions such as rain, snow and sunlight. UV polycarbonate contains protection against UV light which greatly enhances the material's resistance to yellowing and degradation.



MAINTENANCE

Use a saturated cloth to soak the polycarbonate surfaces with warm water to loosen debris prior to the cleaning process. Using a soft sponge or cloth, uniformly apply a mild cleaning detergent following all printed instructions. Immediately remove all of the cleaning solution from the surface and rinse with cold, clean water. Begin by testing a small inconspicuous area prior to cleaning entire panel. Continue to check frequently while cleaning to ensure no damage has occurred.

Avoid abrasive or highly alkaline cleaners as well as abrasive brushes or squeegees that may scratch the surface. Do not clean the polycarbonate sheet with gasoline. For most effective results, avoid cleaning the polycarbonate when it's in direct sunlight or at elevated temperatures.

Avoid dry cleaning as sand and dust particles may scratch the surface. Should the polycarbonate surface become damaged, there are plastic polishes available which can minimize fine scratches. These should be applied and removed following manufacturers instructions.

www.omos.ie + 353 45 899 802

laintenance