

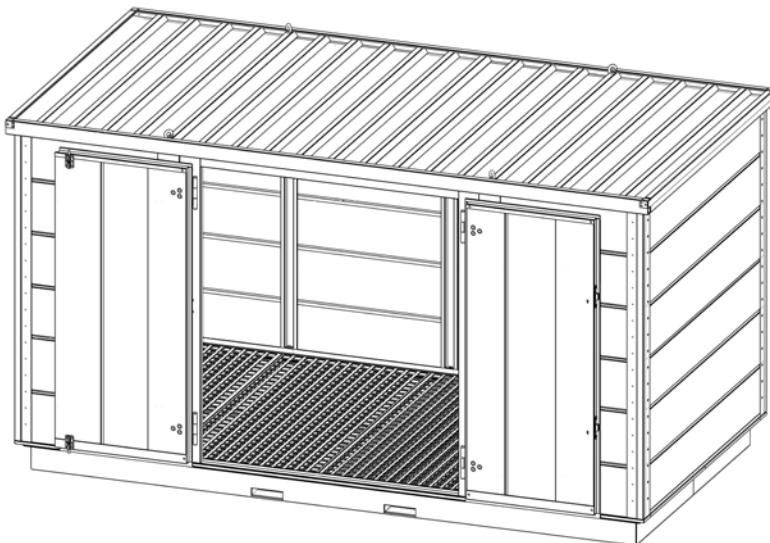


forma-stor

COSHH™

Operational and maintenance manual

Suitable for: FR100-C, FR200-C, FR300-C, FR400-C





Welcome

Welcome to your Armorgard Forma-Stor COSHH. Our COSHH compliant, secure storage solution for portable, fast-assembly storage. The collapsible walk-in container can be erected in minutes from flat-packed panels, making it safe, simple and secure.

Please read this operational and maintenance manual carefully prior to setting up the Forma-Stor COSHH. Always keep this manual with the product and read prior to use.

Contents

Safety information	4
Product specification	6
What's included	7
Tools you'll need	8
Getting to know your Forma-Stor COSHH	9
How to assemble	11
Dismantling the Forma-Stor COSHH	14
Using the lifting eyes	15
Optional extras	16
Attaching the BlokkaBar	17
Using the BlokkaBar	18
Attaching the ramp	19
Attaching the shelves	20
Cleaning up spillages	21
Storing the unit	22
Transporting the unit	23
Equipment care	24
Ongoing maintenance	24
Warranty	25
Spare parts	25
Notes	26



Safety information

- » Before using the Forma-Stor COSHH, ensure any relevant risk assessments are carried out. Armorgard cannot be responsible for accidents that occur due to negligence.
- » Ensure that the Forma-Stor COSHH is not damaged before using it. Ensure that all parts are in good working condition prior to using the Forma-Stor COSHH.
- » At least two people are required to erect or dismantle the Forma-Stor COSHH and all relevant PPE must be worn while doing so.
- » The Forma-Stor COSHH must be positioned on a flat, solid surface, and should be level and stable before being used.
- » Ensure the Forma-Stor COSHH is fully assembled and that it is empty before lifting or moving it. Only qualified personnel should lift the Forma-Stor COSHH.
- » It is important to ensure that our guidelines are followed when assembling the Forma-Stor COSHH, and extra care is needed when lifting panels.
- » The Forma-Stor COSHH meets relevant legislation for storing fuel and chemicals. However, always check the MSDS of the substance being stored to ensure compatibility for the Forma-Stor COSHH.
- » Never store fuel and chemicals in the same store and always use caution when storing substances.
- » Always take precaution to ensure unit is empty from people before locking the unit.
- » Always lock the Forma-Stor COSHH when it's not in use or out of sight. Do NOT leave keys inside the unit while locking.
- » Any modification to or unintended use of this product could create a danger of an explosion or other hazardous condition that can result in death, serious personal injury or property damage.

- » Keep hands clear when closing door. Failure to do so could result in severe injury.
- » Always follow safe lifting practices. You should stand as close to the load as possible so you don't exert more force onto your back by extending the distance. Then bend your knees and keep your upper body upright so your legs do the lifting rather than your back. Look straight ahead and keep your back straight and shoulders back so you have a slight arch in your lower back. Seek assistance from another person or a lifting device if the weight exceeds what you are comfortable lifting alone.
- » Please note that the Forma-Stor lighting kit (FRLK1-110, FRLK2-110, FRLK1-240, FRLK2-240) must NOT be installed in the Forma-Stor COSH units in case of explosion risk when there is storage of hazardous substances inside the store. For lighting solutions for FormaStor COSH, please contact Armorgard for ATEX solutions.

Whilst every effort has been made to ensure this operational and maintenance manual covers every aspect needed to operate your product safely, please take care whilst using the product and always operate with caution. Always liaise with management personnel on site for any additional operational restrictions that you need to be aware of.

Do	Don't
✓ Secure all locks when not in use	✗ Mix fuels and chemicals in the same store
✓ Ensure parts are fully slotted together	✗ Leave unlocked when unattended
✓ Ensure it's safe when opening/closing door	✗ Lift when loaded
✓ Build and assemble wherever needed	✗ Position on an uneven surface

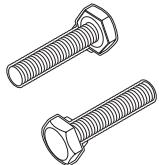


Product specification

Product Code	Description	Weight (kg)	External Dimensions W x D x H (mm)	Internal Dimensions W x D x H (mm)
FR100-C	Forma-Stor FR100-C flat pack 277 COSHH store		2075 x 1000 x 2195	1920 x 845 x 1910
FR200-C	Forma-Stor FR200-C flat pack 415 COSHH store		2000 x 2075 x 2195	1920 x 1850 x 1910
FR300-C	Forma-Stor FR300-C flat pack 553 COSHH store		2960 x 2075 x 2195	2960 x 2075 x 2195
FR400-C	Forma-Stor FR400-C flat pack 663 COSHH store		3960 x 2075 x 2195	3800 x 1920 x 1910

Individual panel weight (kg)	Back panel	Door panel	Side panel	Roof panel	Base
FR100-C	56	76	21	33	77
FR200-C	56	53	53	53	154
FR300-C	56	99	70	76	220
FR400-C	56	115	96	96	294

What's included...



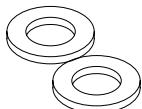
8x M12x45mm bolts
(FR100-C, FR200-C,
FR300-C)
10x M12x45mm bolts
(FR400-C)



8x M12x20mm bolts



8x pipe linchpin



16x M12 washers (FR100-T,
FR200-T, FR300-T)
18x M12 washers
(FR400-T)



4x M12 lifting eye with
rubber washer



1x door panel
2x2m (FR100-C, FR200-C)
3x2m (FR300-C)
4x2m (FR400-C)



2x side panels
1x2m (FR100-C)
2x2m (FR200-C, FR300-C,
FR400-C)



1x roof
1x2m (FR100-C)
2x2m (FR200-C)
3x2m (FR300-C)
4x2m (FR400-C)



1x base with grid flooring
1x2m (FR100-C)
2x2m (FR200-C)
3x2m (FR300-C)
4x2m (FR400-C)



1x back panel
2x2m (FR100-C, FR200-C)
3x2m (FR300-C)
4x2m (FR400-C)

Tools you'll need...



19mm spanner
or an electric
wrench



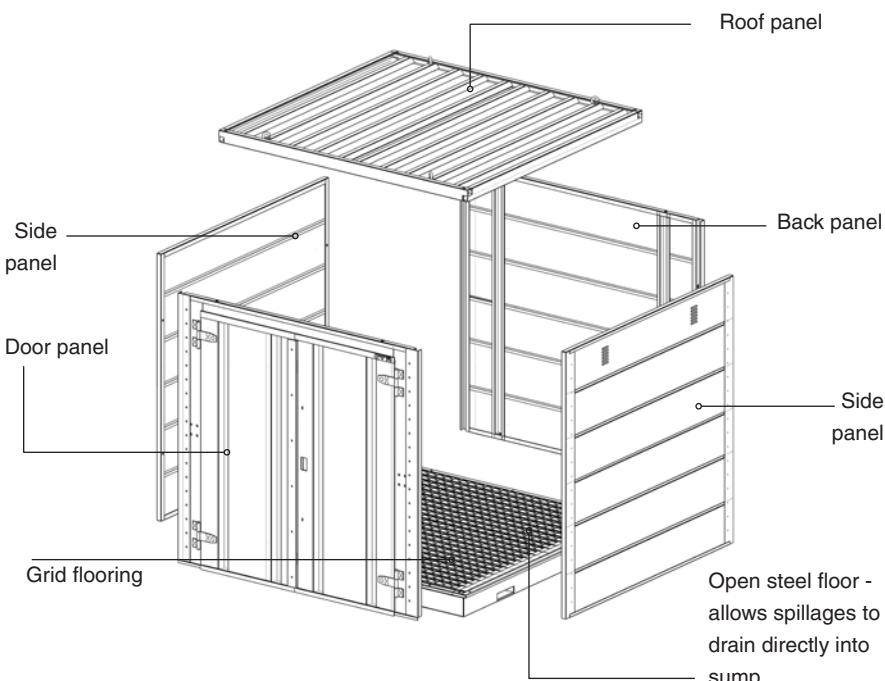
An impact
driver with 19mm
socket



Ratchet with
19mm socket

Getting to know your forma-stor COSHH™

COSHH compliant, quick-assembly,
modular storage units for the safe storage
of hazardous substances



Crane lifting
eyes



Forklift skids



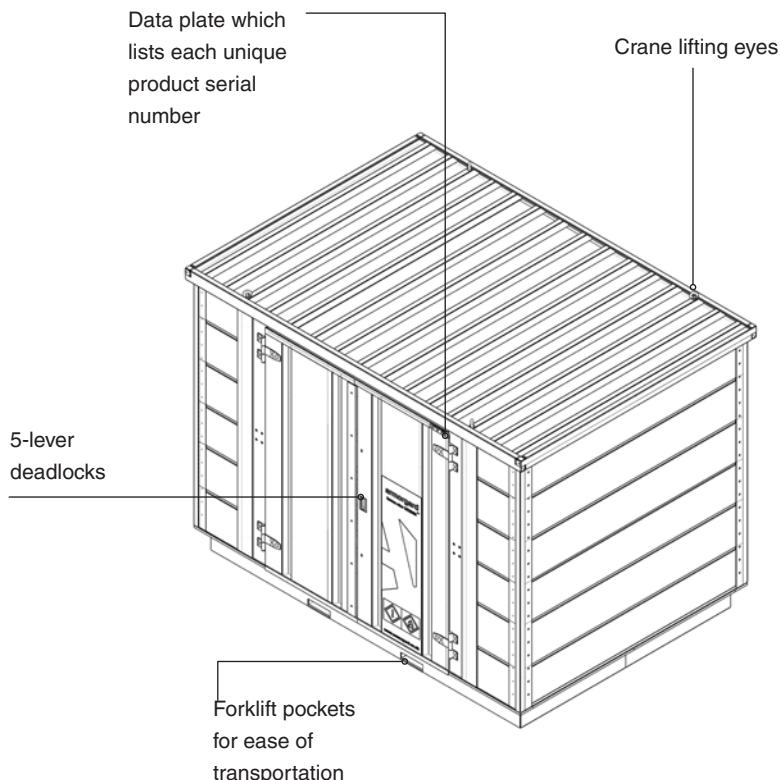
5-lever
deadlock



Collapsible



Stackable



COSHH compliant



Sump capacity (FR100-C)



Sump capacity (FR200-C)

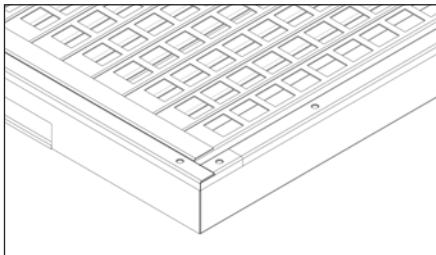
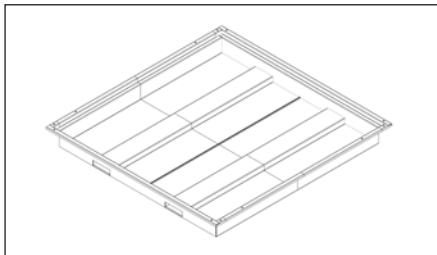


Sump capacity (FR300-C)

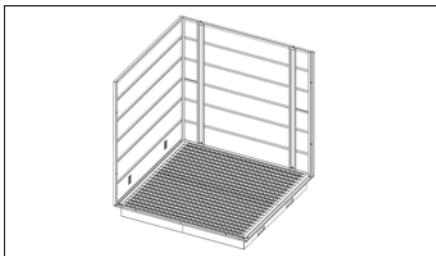
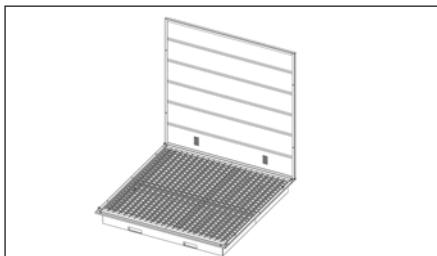


Sump capacity (FR400-C)

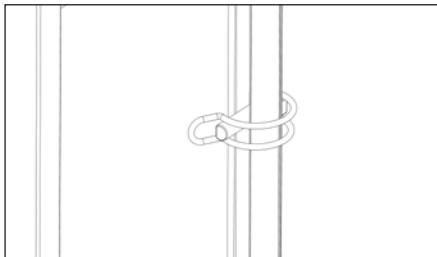
How to assemble



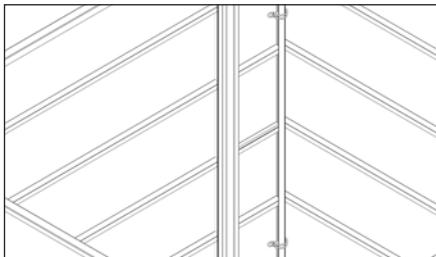
1. To begin assembling the Forma-Stor COSHH, place the base on a level, stable surface.
2. Fit the floor mesh, adjusting the sliding central support to the centre, if applicable.



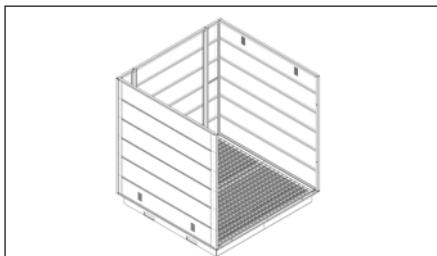
3. Place one of the side panels on the base, using the 20mm bolts to position the panel. Leave all fixings loose at this stage.
4. Next, position the rear panel to form a corner. This will support the side panel.

A

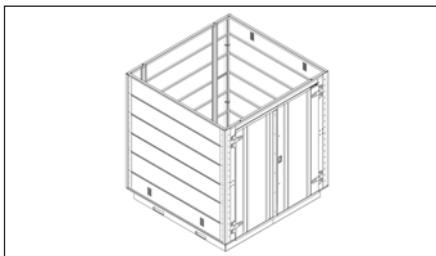
5. Fix pipe lynchpins in each corner, and bolt in the 20mm and 45mm bolts to secure it to the base.



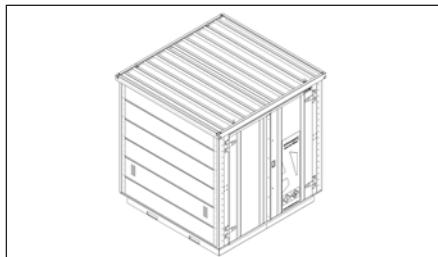
6. There are two lynchpins for each corner.



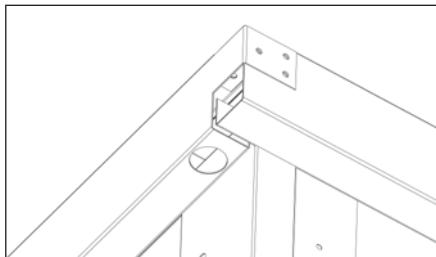
7. Place the other side panel on the base, and secure it with bolts and lynchpins as described in steps 3 to 5.



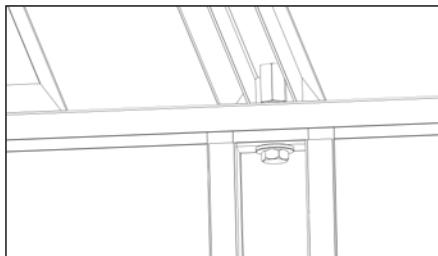
8. The door panel is the last panel to be fixed on. This slots onto the base and is fixed to the side panels with lynchpins and bolts as described in step 5. This is easier with an extra person inside as the panel is installed.



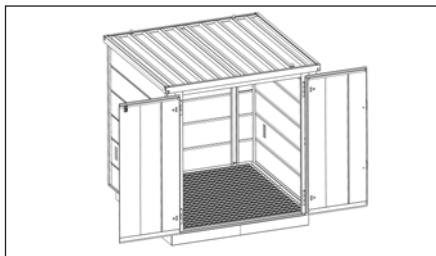
9. Now place the roof on top. We suggest for extra persons to support inside the unit to balance the roof.



10. Ensure the grooves in the roof fit securely to the top of each of the four panels.



13. Lastly, fix the roof in place using the 45mm bolts provided. Tighten all fixings within the Forma-Stor.

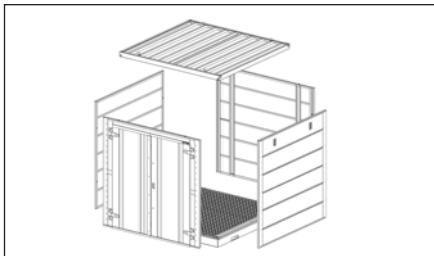


14. The Forma-Stor COSHH is now ready for use!

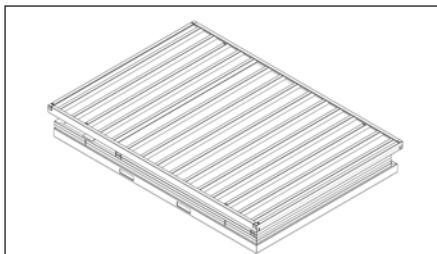
WARNING! The roof is heavy and care should be taken when lifting into position. Please take all safety precautions necessary when moving this part.



Dismantling the Forma-Stor COSHH

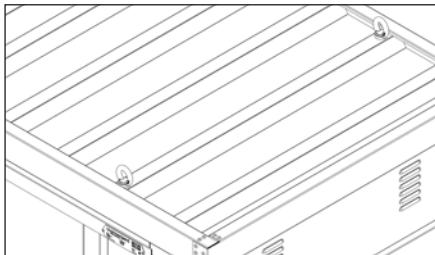


1. To dismantle the Forma-Stor COSHH, remove the parts in reverse order to which they were assembled.
2. Remove the roof first, followed by the door panel, a side panel, the rear panel, and then the remaining side panel. Fixings can be bolted back into the panels for safekeeping.

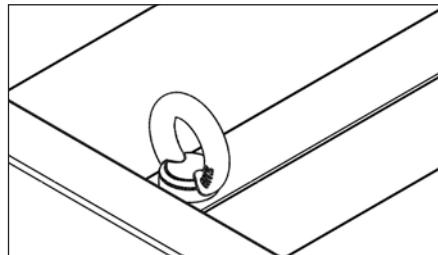


3. The Forma-Stor COSHH can then be stacked in its flat-packed form.

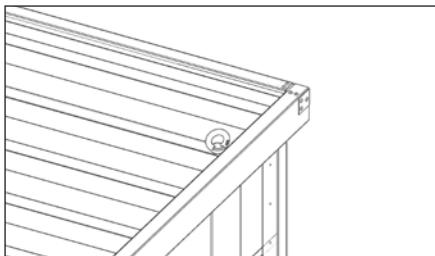
Using the lifting eyes



1. Before lifting, ensure that the bolts holding the lifting eyes are securely in place.



2. Attach the lifting equipment to all four lifting eyes and ensure that the load is lifted evenly across all four eyes.



3. Lifting eyes should only be used once confirmed by a qualified person on site.

The lifting eyes are only provided for positioning of the Forma-Stor COSHH, and the unit must be empty while lifting. Before lifting, each lifting eye needs to be checked that it is undamaged and fitted correctly, and should be inspected by a lifting operator before use.



Take your Forma-Stor COSHH™ to the next level with these optional extras

Contact the Armorgard team to find out more about the optional extras for your product.

Please note that the Forma-Stor lighting kit must NOT be installed in the Forma-Stor COSHH units in case of explosion risk when there is storage of hazardous substances inside the store.

BlokkaBar



To enhance your Forma-Stor COSHH's security

Ramp



To improve accessibility when moving heavy equipment

Shelves



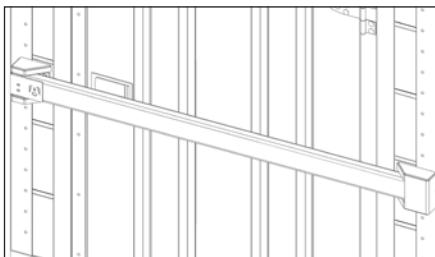
To organise and store equipment

Product Code

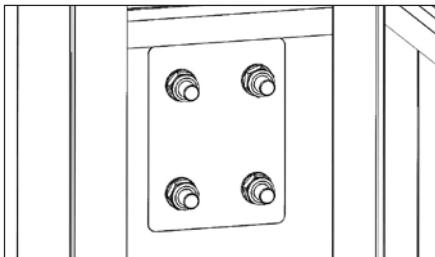
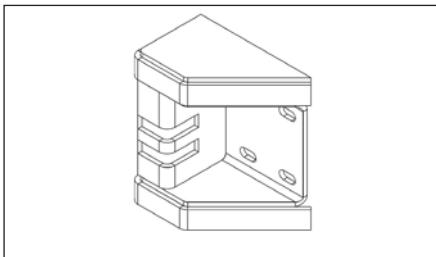
Max. number of shelves to fit Forma-Stor COSHH

FR100-C	5
FR200-C	5
FR300-C	10
FR400-C	10

Attaching the BlokkaBar (optional extra)



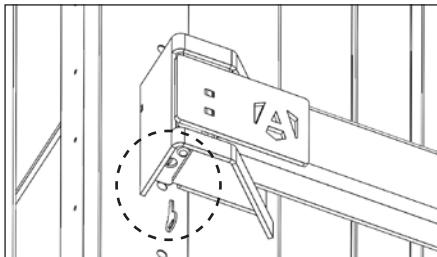
1. To install the BlokkaBar, locate the pre-drilled holes on either side of the door. Then, remove the coach bolts and blanking plate.
2. Place the lock housing of the BlokkaBar on the left side of the door. The other housing should be placed on the right side of the door.



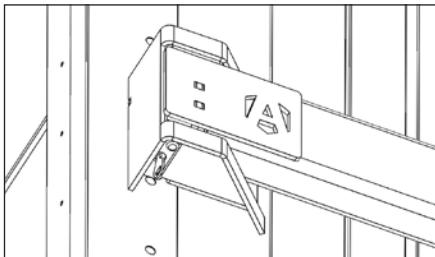
3. Ensure the padlock is located in the locking housing with the lock facing down. Push the coach bolts through the holes in each housing and place into the pre-drilled holes in the Forma-Stor COSHH.
4. Inside the Forma-Stor COSHH, replace with the blanking plate and then place a washer and nylock nut on each bolt. Repeat for both housings.



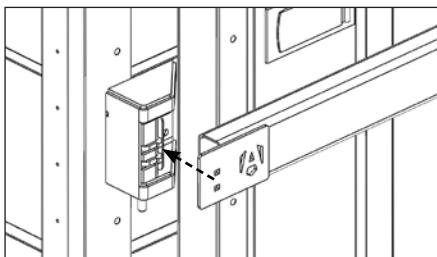
Using the BlokkaBar



1. To unlock the BlokkaBar, place the key in the keyhole of the lock on the bottom, and turn. This will unlock, releasing the pin.



2. Remove the bar by pulling it and sliding it to the left. This will allow the access to the door's locking system.



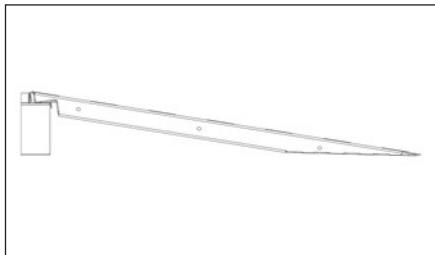
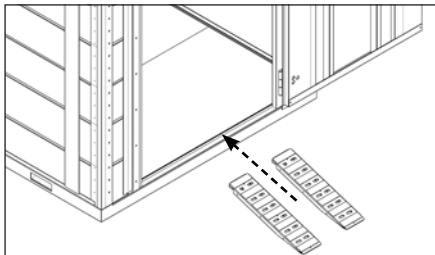
3. To lock for maximum security, ensure that the Forma-Stor COSHH door is locked before placing the BlokkaBar. Slide the bar in place.



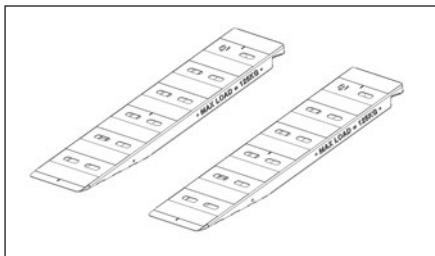
4. Then, push in the pin of the lock that is located at the bottom of the left lock housing of the BlokkaBar, this will ensure everything is secure in place.

IMPORTANT! Please note that spare keys are not available for the BlokkaBar.

Attaching the ramp (optional extra)



1. Position the x 2 ramps along the opening of the Forma-Stor COSH to match that of the wheel width of your transporting equipment.

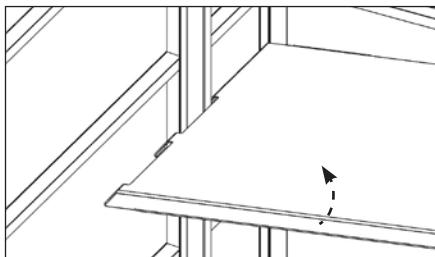
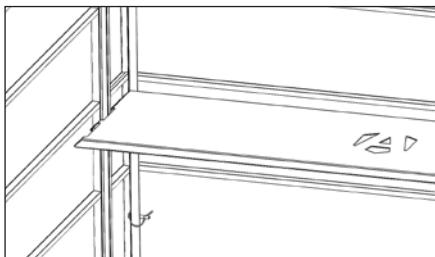


2. Ensure the ramps are securely place on the bottom ridge of the opening of the Forma-Stor COSH.

3. When using the ramp, do no exceed the 125kg UDL that is was designed for. Do not close the door whilst the ramp is in position.

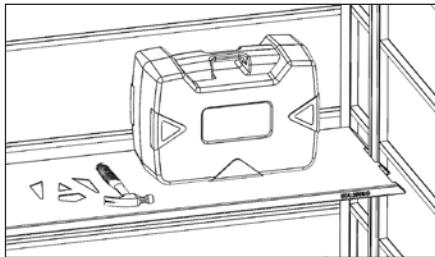
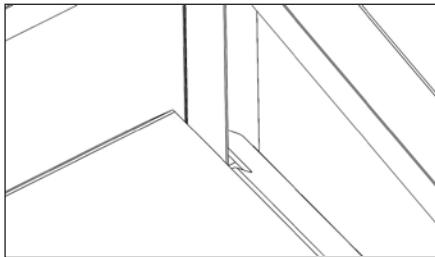


Attaching the shelves (optional extra)



1. When fitting shelves inside the Forma-Stor COSHH, do not exceed the 200kg UDL the shelf was designed for. No fixings are required for shelves.

2. Locate the relevant inner slots on the back panel, and position the shelf by tilting and inserting the pocket on its edge into the back vertical support of the side panel.



3. Rest the shelf into position. It will need to align with the corner of the unit with one of its cut-outs. Repeat the steps to install the other shelves.

4. Test the shelves by pushing down with force and ensuring it doesn't slip before loading with any contents.

Cleaning up spillages

If a hazardous substance is spilled, it is important to take appropriate action immediately.

The best spillage prevention method is to keep hazardous substances stored compliant with COSHH regulations.

The fully welded sump on the Armorgard Forma-Stor COSHH should catch any spillages. This should be cleaned and emptied every three months, or whenever it is full to prevent build-up of hazardous waste.

Always check that the sump capacity of the unit can cater for the volume of hazardous substances you're storing. This is calculated by 110% volume of the largest vessel normally stored in it, or 25% of the total amount stored, whichever is greater.

Use a pump, absorbent, or spill kit to clean or empty the sump base of the Forma-Stor COSHH. Always carry out a risk assessment when cleaning up spillages.

In the event of any serious spillages, others in the area must be notified - ensure that nobody is injured and clean any contaminated areas. Check the source of the spill and ensure that the spill does not continue.



Storing the unit



1. The Forma-Stor COSHH can be stacked in its flat-packed form to save space when storing.
2. When storing hazardous goods, do not place chemicals and flammables in the same store. Ensure that the store is suitable for what you are storing.



3. Ensure that all locks are secured when leaving the Forma-Stor COSHH unattended. Use the BlokkaBar to enhance security if needed.

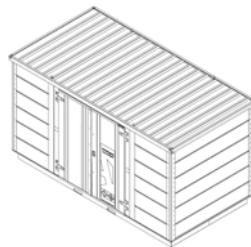
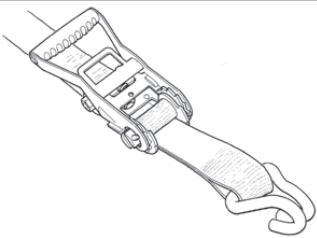
Transporting the unit

The Forma-Stor COSHH has been designed specifically to make transporting the product easy.

The four crane lifting eyes come with the Forma-Stor COSHH and are attached to the roof. These are for ease of lifting the unit by crane or hiab only. The unit should never be lifted when loaded.

Always use the forklift pockets when transporting by forklift.

When lifting the panels, use a trolley to ease manual handling if the panels are too heavy.



1. During transport, ensure that the Forma-Stor COSHH is secured to the carrier by strapping down the unit fully.
2. Armorgard can supply Forma-Stor COSHH units pre-erected, please enquire to find out more.



Equipment care

The Forma-Stor COSHH is weatherproof and constructed with a durable powder coated/galvanised finish, so it is suitable for outdoor use, however it does not mean it is waterproof. It is always important to note that any equipment susceptible to water damage should be sealed and placed higher up the Forma-Stor COSHH, using the optional shelves if necessary.

It is important to ensure that all Forma-Stor COSHH bolts remain in good condition and that they are always bolted on tightly.

Always ensure that the product data plate remains visible and in good condition, especially the unique serial number, as this is required should you need a replacement lock or key.

Ongoing maintenance

It is important to check that the Forma-Stor COSHH is not damaged before each use.

We recommend for you to check the locks, forklift pockets, crane lifting eyes, sump and any optional extras every three months, to ensure that the Forma-Stor COSHH can operate fully. If the Forma-Stor COSHH will be under rigorous use, we recommend integrity checking regularly.

Always carry out integrity checks before lifting the Forma-Stor COSHH.

The sump base must be emptied and cleaned every three months, or whenever it is full, using a pump, absorbent or spill kit.

Warranty

Armorgard products are built to last, and all have a manufacturer's warranty of 12 months - please refer to the terms and conditions for what this covers.

We also keep replacement keys and offer replacement locks for all Armorgard products up to 5 years old. All we'll need is the distributor you purchased from and your product's serial number, which can be found on the data plate of every product.

Do not force entry into the product, as this could affect the warranty. Always contact us if you require a replacement lock or key.

Spare parts



Replacement
keys



Crane lifting
eyes



Replacement
deadlocks

Other spare parts available. Please get in touch for more information.



For additional support and easy access to spare or replacement parts, register your product following the QR code:





Notes

Notes

Version 151225



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