

DEPLOY



14R
REPARATION
KIT

1

**TOOLS FOR
DETECTING & FIXING LEAKS**

2

**TOOLS FOR NON-LEAK
RELATED TROUBLESHOOTING**

To help you detect and fix any potential leaks on your 14R tank, you will need the following tools:

PVC Geomembrane Roll



Vacuum Plate 100-LP, 18.0V/4.0Ah



Seam Tester Probe



Rubber Roller 40 mm (Silicone)



Pressure Roller 6 mm (Brass)



TRIAC ST Heat Gun, 230V/1600W



Wire Brush (Brass)



Utility Hook Knife



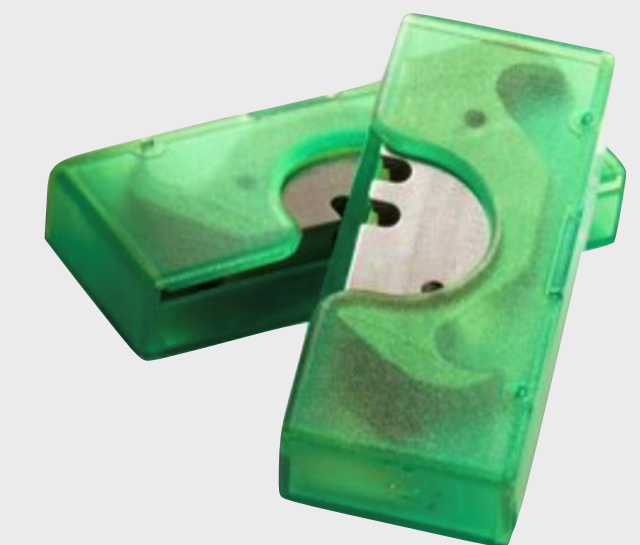
Wide Slot Nozzle (ø31.5) 20x2 mm



Spray Bottle (with soapy water)

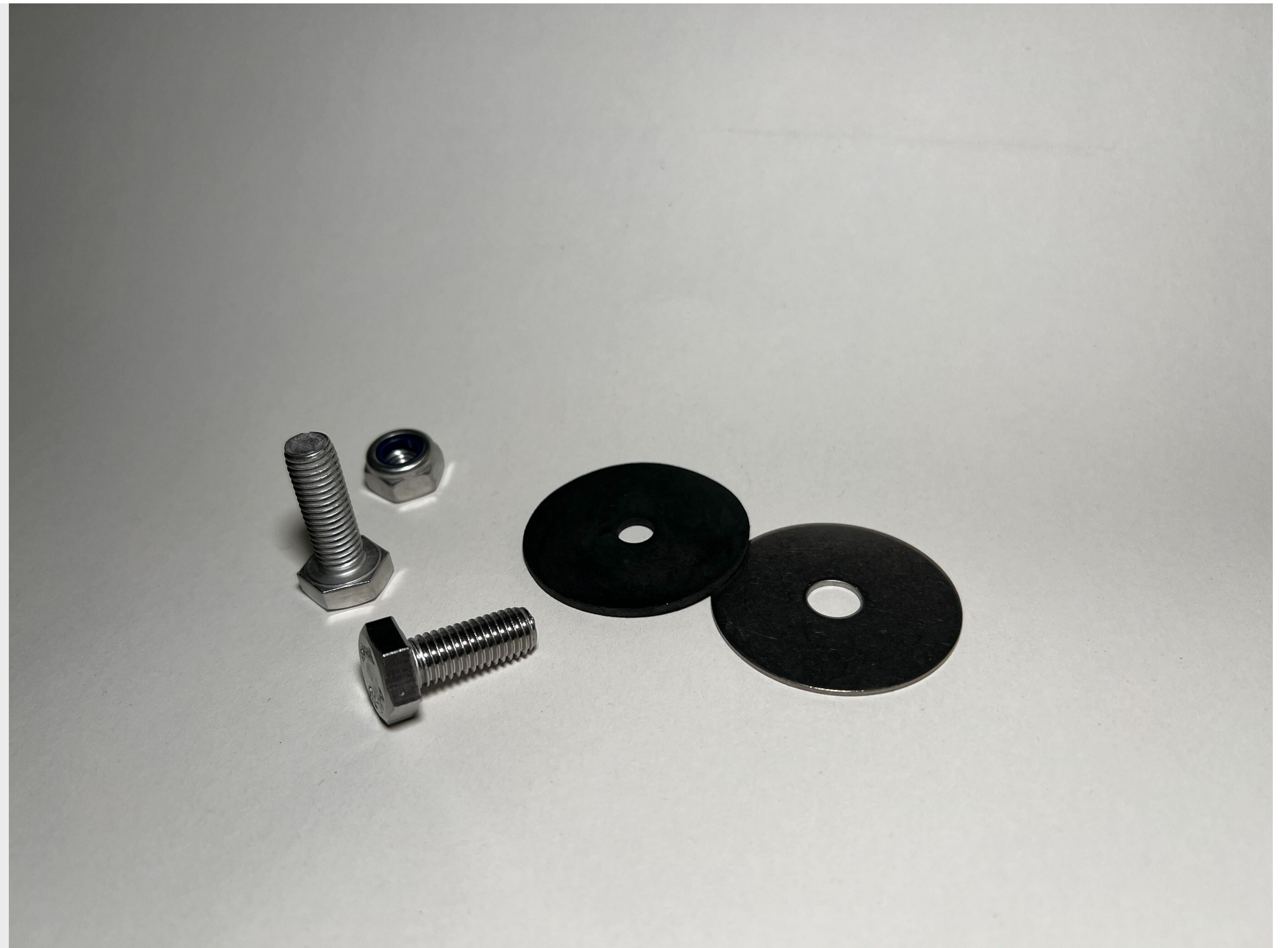


Utility Hook Knife Blades



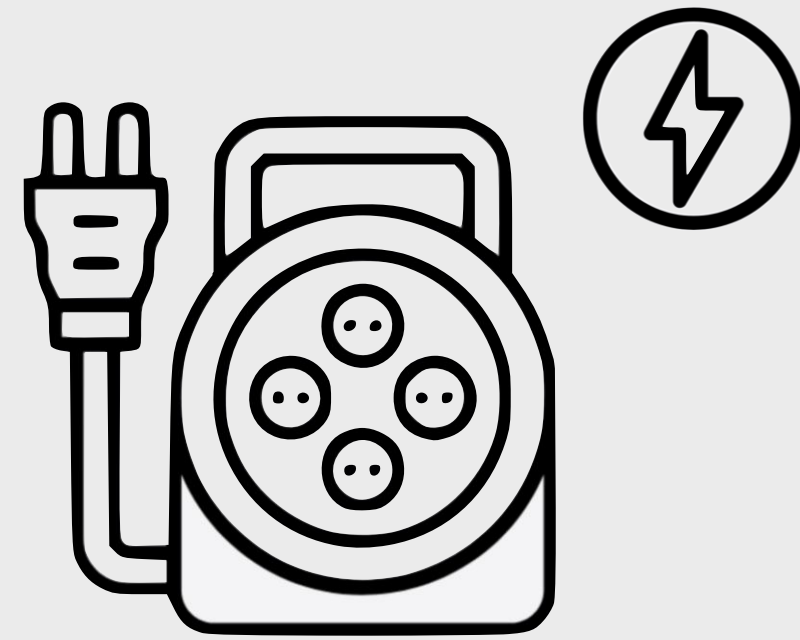
For any other non-leak related fixture, you will need the following items:

- Bolts
- Nuts
- Bolt Caps
- Penny Washers
- Rubber Washers

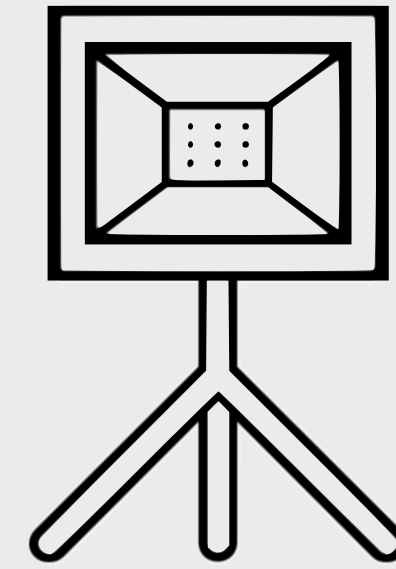


NOT INCLUDED BUT ALSO REQUIRED

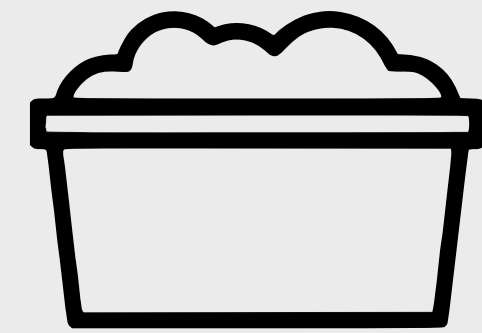
Extension Lead / Power Source



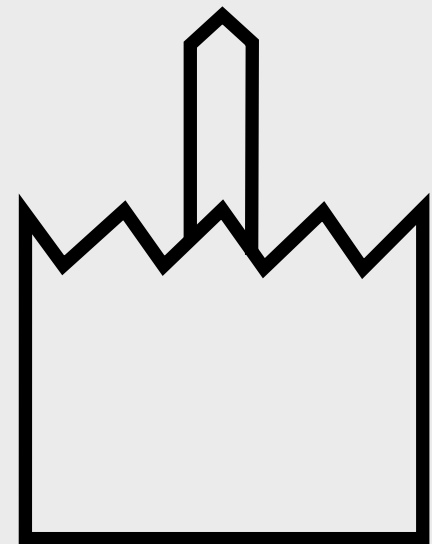
Work Light



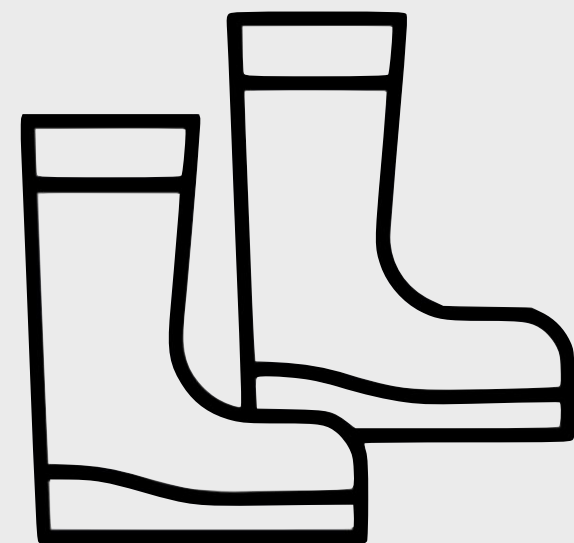
Soapy Water



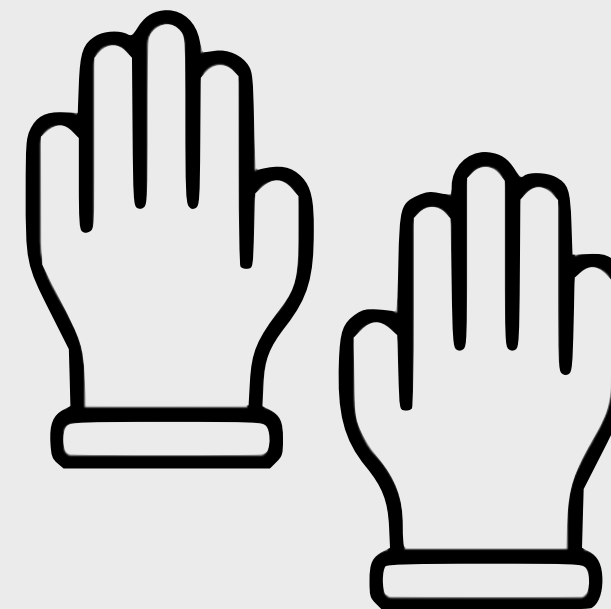
Holesaw



Waterproof Wellies/Boots/
Wader



Gloves



Mask



1

Prepare soapy water (by mixing dish soap and water) inside the spray nozzle.



2

Spray suspected weld area with soapy water generously.



3

Turn on the vacuum plate (make sure the window is clean and see through).



4

Press the vacuum plate towards the area to be tested, making sure the vacuum plate is sealed.

*The sound of the pump will change once there is air proof vacuuming.



5

Observe any bubbling through the glass window of the vacuum plate.



6

Repeat the process for all potential leaks, especially for welds or even for the same area if the results are inconclusive.



1

Obtain the Seam tester Probe.



2

Run the probe along the weld by applying fair pressure.



3

If the probe catches any geo-membrane and stops, examine that area and try to continue poking with the seam tester to gain better access for welding.



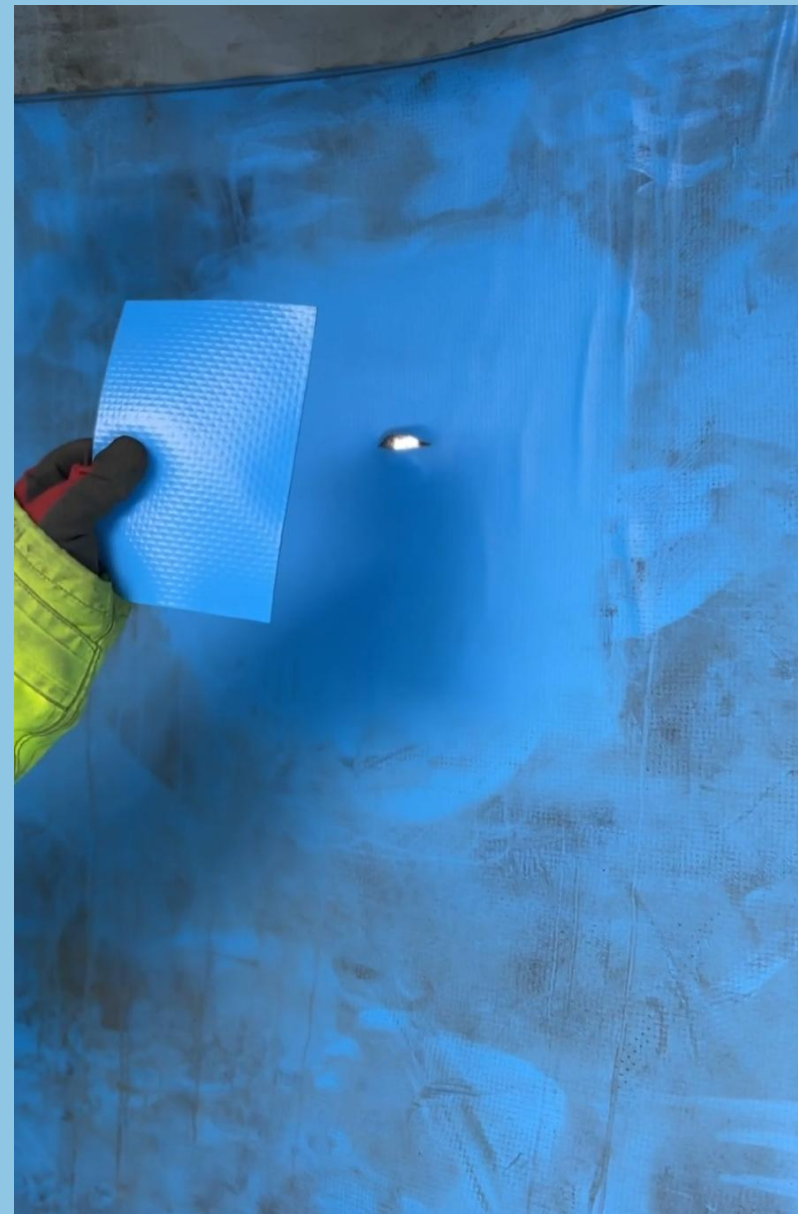
1

Make sure the leak area is clean.



2

Depending on the leak/hole or bubbling cut a piece of PVC patch from the PVC Geomembrane roll provided.



3

Attach nozzle provided for the *Triac* before it is hot.



4

Turn on *Triac* to welding temperatures (350°C – 400°C).



5

Obtain hook knife, rubber roller and penny roller.



6

Point weld the patch to the weldable area to hold it in place.



7

Do a manual welding around the patch.



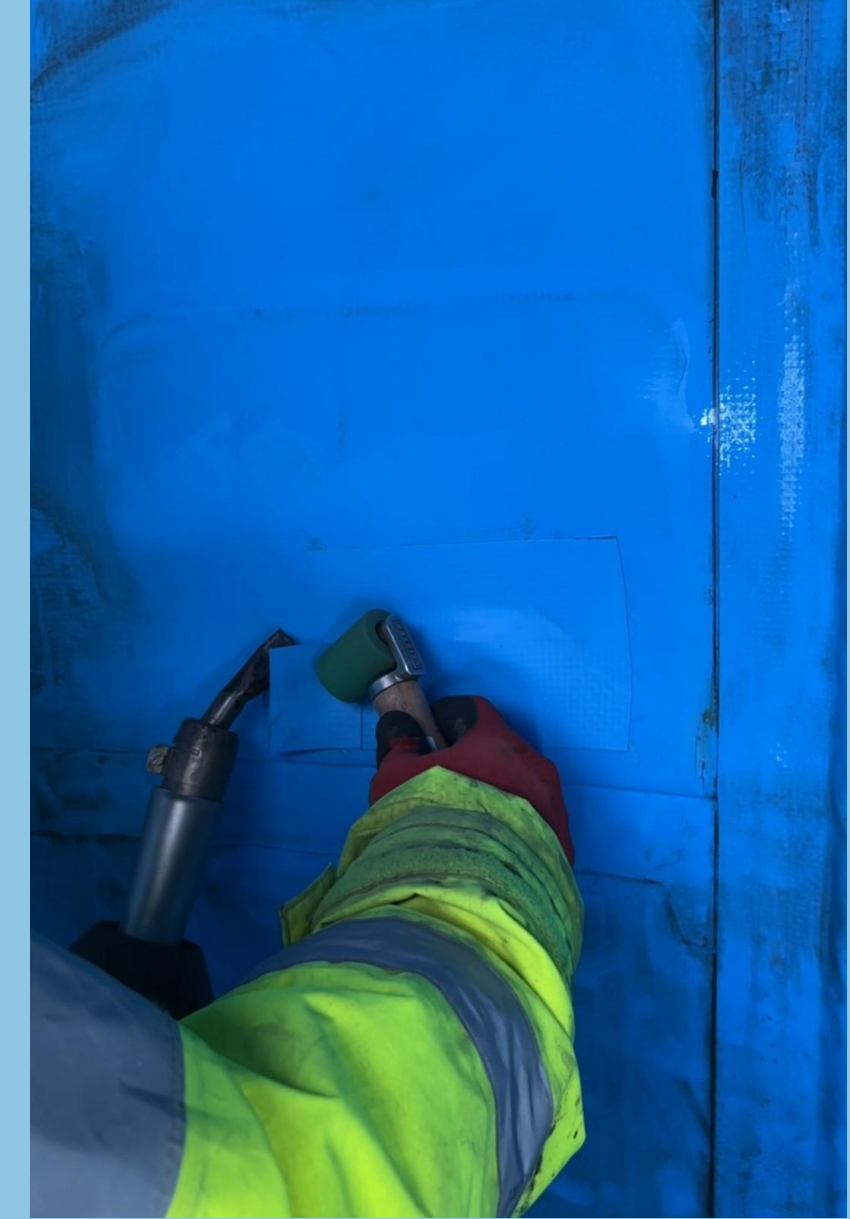
8

Use the vacuum plate to test if there is any leak present by following the steps mentioned on "Detecting Leaks".



9

If the leak is still present, another patch will be needed and steps 1-8 should be repeated.





DEPLOY™

Creating Efficient Water Infrastructure



 adara@tank-depot.com

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