ELS KIT USER MANUAL

Instruction manual for the Emergency Leak and Seal Repair kit



T-ISS™ safety suppliers

a Heijboer Safety Group company

Emergency Leak and Seal Repair kit

The T-ISS Emergency Leak and Seal repair kit is a complete response kit that enables immediate action when situations demand it. Leakage on flanges, on piping or even a leaking drum can be sealed quickly and efficiently. A wrench and water are all that's needed to use the ELS kit, no special training is required, but make sure the crew is familiar with the kit and working procedures. The ELS kit is versatile; use it for hazardous and non-hazardous chemical service.

The contents of the ELS kit:

- Sturdy plastic carrying box
- Rubber hammer
- Utility knife
- Wooden pins (8 pcs)
- Wooden wedges (8 pcs)
- Speed steel stick
- Fast plastic stick
- Rubber sheet (500 x 500 mm)
- Drip Stop Tape (3 sizes: 25/38/50 mm)
- Spray Control Tape (50 mm)
- Spray Stop Tape (35 mm)
- Pipe Repair Tape (3 sizes: 2", 3", 4")
- 3 pair of gloves



Application examples

The strong point that the ELS kit has, is the fact that it's appliable in a wide variety of occasions. This enables the user to repair any on-board leakage quickly. Below you will fond an overview of several occasions that can occur, and can be solved using the ELS kit.

The ELS kit can be used for the following leakages:

- Oil drum leakages
- Unwanted and hazardous spray-outs of tubes
- Leaking pipes
- Leaking flanges
- Damaged containers

Article number	Description	Dimensions	Weight
ELS-KIT	Emergency Leak and Seal Repair kit	475 x 215 x 265 mm	7,2 kg

Pipe Repair tape

The following instructions explain how to use the Pipe Repair Tape to repair leaks in your specific situation. Always wear the supplied gloves.

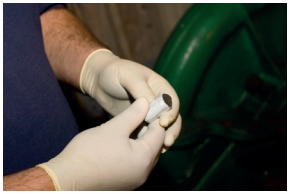


Step 1:
Grab the epoxy stick included in the kit.

Step 2:
Knead the epoxy to mix the components.



Step 3:
Apply the epoxy to the leakage.



Step 4:
Open the larger package. To activate the tape, soak it in fresh or salt water for more than three seconds.



Step 5:
Firmly wrap the tape around the damaged area. Make sure you extend the wrapping a minimum of five centimetres from the leakage.

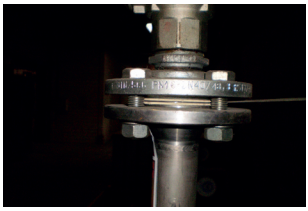


Step 6:
Continue to apply pressure on the wrapping to enable the PipeRep to set. If necessary, use the knife in the ELS kit to cut excess tape.



Spray Control tape

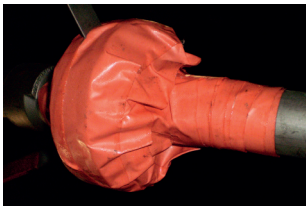
The following instructions explain how to use Spray Control Tape to repair leaks in your specific situation.



Step 1:
Clean the surrounding equipment.



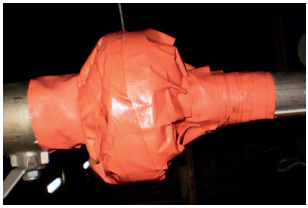
Step 2:
Wrap the SprayControl tape softly around the leaking pipe, making sure air is enclosed.



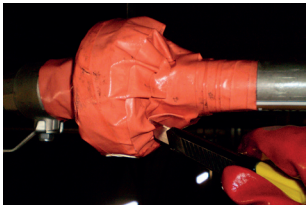
Step 3:
Wrinkles allow splashes to escape between them, which is good.



Step 4:
Fix the SprayControl tape smoothly around the leaking pipe or flange.



Step 5:
Make sure the SprayControl tape is installed as shown in the picture above.



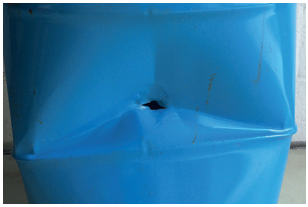
Step 6:
Cut a small hole in the lower part of the tape. This allows liquid to drip out of the wrap, preventing pressure from building up and making it easier to detect the leak.

Rubber filler

The following instructions explain how to use the rubber filler sheet to repair leaks in your specific situation.



Step 1:
Use the rubber filler sheet when damage occurs due to collisions or accidents.



Step 2:
The result may be a leaking hole in, for example, an oil drum.



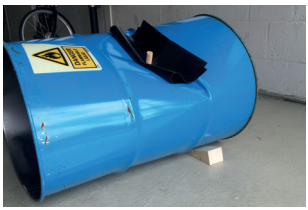
Step 3:
Cover the hole using the rubber filler sheet included in the ELS kit.



Step 4:
Use one of the wooden sticks that best fits the damage and place it on top of the rubber sheet.



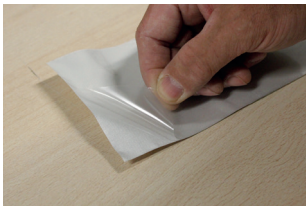
Step 5:
Use the rubber hammer supplied with the ELS kit to drive the wooden stick into the hole through the rubber filler sheet.



Step 6:
Make sure the barrel remains stable. You can use the wooden wedges to secure it.

Spray Stop tape

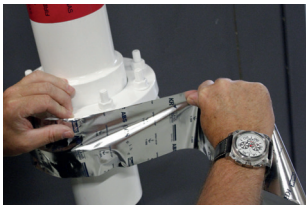
The following instructions explain how to use SprayStop Tape to repair leaks in your specific situation.



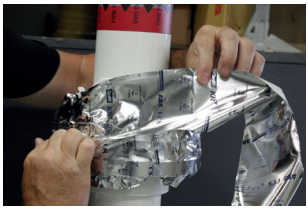
Step 1:
Before installation, peel back the backing layer. Do not remove it completely before installation.



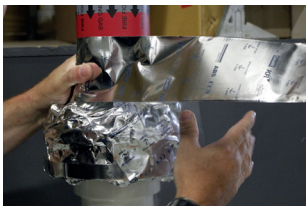
Step 2:
Start wrapping the tape around the flange or pipe you want to protect against spray-outs.



Step 3:
If the surface is not smooth, apply two layers of tape to ensure adequate protection.



Step 4:
Each subsequent winding should overlap the previous winding. Apply the tape with slight pressure to ensure proper coverage.



Step 5:
Continue wrapping until the object is fully covered. Do not use too little tape. Use enough to ensure effective protection against splashing.



Step 6:
Once enough SprayStop Tape has been applied, use scissors or a knife to cut off the excess tape. Finally, press the tape firmly into place with your hands.

DripStop tape

The following instructions explain how to apply DripStop tape effectively to seal leaks in your specific situation. DripStop tape is suitable for sealing leaks involving liquids, air, and powders in pipes and hoses. It also provides effective protection for metal components against corrosion and exposure to water, salt, and harsh weather conditions.

When applying DripStop tape in wet conditions, wrap it tightly by hand to prevent water from getting trapped between the tape and the surface. Each wrap should overlap the previous layer by approximately 50% of the tape's width.

DripStop tape is self-fusing, meaning it bonds to itself to create a secure, tight seal. This makes it easy to apply while providing reliable protection for the affected area.

DripStop tape is available in different sizes. Only a 50 mm roll is included in the ELS kit.





SpeedSteel and FastPlastik

SpeedSteel and FastPlastik are repair putties designed to seal small leaks in piping systems. SpeedSteel is suitable for steel pipes, while FastPlastik is specifically designed for plastic pipes. Both products follow the same straightforward application process.

Follow the instructions below to ensure a proper and effective repair:

1. Always wear protective gloves when handling SpeedSteel or FastPlastik.
2. Thoroughly clean and roughen the surface around the leak to ensure proper adhesion.
3. Cut the required amount of putty from the bar.
4. Knead the putty until it reaches a uniform color and consistency.
5. When using SpeedSteel, apply the putty to the surface within 2 minutes of mixing.
6. When using FastPlastik, apply the putty to the surface within 10 minutes of mixing.

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