

# Archery Target Repair Kit

Watch  
the Video:



Archery targets will get damaged over time, requiring costly replacement.

BEFORE

Make repairs  
at a fraction  
of the cost!

The Archery Target Repair Kit will show you how to quickly and easily repair targets using our FlexFoam-iT!™ 15 polyurethane foam.

- Save Money
- Easy to Apply
- Long Lasting Repair
- Repair Is Stronger Than Original Target Core

AFTER

Repaired target core

Read and follow the directions in this instruction manual to make your own repairs to damaged archery targets. Read the technical bulletin for FlexFoam-iT!™ 15 carefully before working with the material. Follow all safety precautions when mixing and pouring urethane foam materials.





# Archery Target Repair Kit

The following are excerpts from the video at:  
[www.smooth-on.com/archerykit](http://www.smooth-on.com/archerykit)

The Archery Target Repair Kit contains materials for making lasting repairs to damaged foam targets.\*



## ***This Archery Repair Kit Includes:***

- FlexFoam-iT!™ 15 TUFF STUFF expandable foam
- Mechanical Mixer
- UVO™ Black Pigment
- UVO™ Brown Pigment
- UVO™ Green Pigment
- UVO™ White Pigment



## ***You will also need the following items that are not included in this kit:***

- Breakaway Razor
- Utility Knife
- Exacto Knife
- Mixing Cups
- Mixing Sticks
- Packaging Tape
- Plastic Film
- Reciprocating Saw
- Variable Speed Drill

***\*Material amounts used for repair may vary depending on size of area to be repaired.***



## STEP 1: Preparing the Target for Repair

1



Remove the damaged core from the foam target model.

2



Use a reciprocating saw to cut away damaged and loose foam from the core.

3



Repeat the process on opposite side to remove damaged and loose foam.

4



Cleared area should be free of any loose foam pieces.

5



Wrap plastic film tightly around the entire area to be repaired.

6



Cut a pour hole over the area to be repaired with an exacto knife.



## STEP 2: Repairing Front Side

**IMPORTANT: Please Read the Technical Bulletin and Safety Data Sheet for FlexFoam-iT!™ 15 carefully before beginning.**

1



**Premix Part A thoroughly by shaking the bottle vigorously for 30 seconds and then dispense into a clean 2 oz container.**

2



**Premix Part B thoroughly and then dispense into two clean 2 oz containers. Mix Ratio is 1A:2B by volume.**

3



**Both Part B containers are transferred into a larger mixing container.**

4



**Add a small amount of UVO™ Green pigment to the mixture.**

5



**Add a small amount of UVO™ Brown pigment to the mixture.**

6



**Thoroughly mix all colors into Part B.**



## STEP 2: Repairing Front Side

7



Add Part A to the mixture.

8



Mix with the mechanical mixer and drill. Start at a slow speed and increase to a high speed to mix the foam. **FlexFoam-iT!™ 15 has a 2 minute potlife**, so work quickly to thoroughly mix the material.

9



Repaired area is filled 1/3 full of liquid foam. **Foam will expand 4 times its original volume.**

10



Apply packing tape over the pour hole to seal it. Tape will release as the foam expands through the pour hole.

11



Allow FlexFoam-iT!™ 15 to cure for 4 hours at room temperature (73°F/23°C).

12



After foam cures, flip the core over to prepare the second side for repair.



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## STEP 3: Repairing the Opposite Side



Cut a pour hole over the area to be repaired with a breakaway razor utility knife.



Dispense Part A into a clean 2 oz container.



Dispense Part B into two clean 2 oz containers. **Mix Ratio is 1A:2B by volume.**



Transfer both Part B containers into a larger mixing container. Add UVO™ colorants to Part B as before and mix thoroughly.



Add Part A and mix using the mechanical mixer and drill. **FlexFoam-iT!™ 15** has a **2 minute potlife**, so work quickly to thoroughly mix the material.



Repaired area is filled 1/3 full of liquid foam. **Foam will expand 4 times its original volume.** After pouring the foam, apply packing tape over the pour hole to seal it.



### STEP 4: Finishing the Repair



After foam is allowed to cure for 4 hours, trim excess foam off with a breakaway razor utility knife.



Remove the plastic film from the core.



Repair to the front side of the core is complete. FlexFoam-iT!™ 15 permanently bonds to the original foam.



Repair to the opposite side of the core is complete. Core is now ready to be put back into service.



Repaired core is replaced back into the target and can be used immediately!



# Archery Target Repair Kit

The Archery Target Repair Kit contains everything you need to make durable, lasting repairs to foam targets.



Foam repair is durable against repeated multiple strikes.



Arrows can be retrieved easily from repaired core.



Foam repair self heals and can be reused again and again!

▶ Repairs can be easily made on any existing foam target model!

▶ FlexFoam-iT!™ 15 is more durable and longer lasting than the original foam!

Learn more by watching our demonstration video:  
[www.smooth-on.com/archerykit](http://www.smooth-on.com/archerykit)

*Archery Target Repair Kit: Everything you need to make lasting repairs quickly!*