

L.G. ANIMALS REP – guide for 3D repair foam

L.G. Animals Rep - 2-component-Polyurethan-repair foam – is used for repairing partially damaged 3D archery targets.

Material description and recommended equipment:

Component A = Polyol

Component B = Isocyanat (caution: hazardous to health, avoid skin contact)

Mixing ratio: 2 : 1 (2A:1B)

Note: Already small changes in the mixing ratio affect the outcome. Therefore, try to make the mixture as recommended. The foam mixture expands to **5 times of its original volume**. Therefore, it is recommended to only handle small volumes. It is also highly recommended to wear protective gloves during the whole process.

Storage-/room temperature: > + 15 °C

Recommended tools:

- 2 clean jars
- something to stir up the 2 components
- protective gloves (material: Nitril for ex.) + safety glasses
- scale
- knife
- calculator
- waterproof pen
- weatherproof paint



L.G. Animals - 3D Targets

IMPORTANT: the repair process must only be done in well-ventilated rooms or outdoors, to avoid any harm due to possible hazardous vapours. It is recommended to do a test with a small quantity of the material to get familiar with the performance of the repair foam, before you begin with the actual repair process.

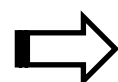
Step 1: First, properly clean the concerned part of your 3D target. There shouldn't be any loose parts left. Put the 3D target in a stable position, the hole should be bound upwards to have a safe filling position.

Step 2: Put a clean jar on the scale, set the scale on 0 and pour in the requested amount of **component A**. Set the scale on 0 again and now add **component B** in the same jar.

Caution: B is only half of the amount of A (for example: component A = 200 g, B = 100 g)

Step 3: Now **mix up the 2 components** for approx. 30 seconds until they become a homogenous mass.

Step 4: Pour the foam mixture evenly in the hole. Important: always consider the **5-fold expansion** of the material. After approximately **60 seconds** the material starts the expansion process. It takes approximately **30 minutes** until the material is hardened.



Step 5: Now remove the excess material with a sharp knife until you have smooth transitions and the repaired part matches with the shape of the 3D target.

Step 6: Finally, put a matching weatherproof paint on the repaired part and let it dry. If the repair was done at the scoring zone, you can now redraw the scoring zone with a waterproof pen.

The repair process is finished and you can use your 3D target as usual.

In order to bring the foam into the desired shape, a wrapping foil can be wrapped around the target or the area which should be repaired. Make a small hole for the filling with the foam mixture.

This manual should only be seen as a guideline. Caution is recommended throughout the whole process. We are **not liable for any harm to your health or damages of property**. The use of this product is at **your own risk**. As of 24th August 2023, it is **obligatory to complete a training for safe use of Diisocyanates before use of product**.

Details and trainings are available here: www.safeuseofdiisocyanates.eu

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HARMFUL IRRITANT



HEALTH HAZARD

Signal word: **danger**

Hazard warnings:

H315 Causes skin irritation.

H317 May cause allergic skin reactions.

H319 Causes severe eye irritation.

H332 Harmful if inhaled.

H334 May cause allergy, asthma-like symptoms or breathing difficulties if inhaled.

H335 May irritate the respiratory tract.

H351 May probably cause cancer.

H373 May cause organ damage by prolonged or repeated exposure.

Safety instructions:

P201 Obtain special instructions before use.

P260 Do not inhale mist/vapour/aerosol.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Disposal information:

Recommendation: Dispose of foam residues in cured state with household waste (residual waste).

Product polyol (component A) liquid:

Waste key number: 07 02 99 = wastes from the MFSU of plastics, synthetic rubber and synthetic fibers.

Product isocyanate (component B) liquid:

Waste key number: 08 05 01 * = isocyanate waste

Recommendation: Incineration of hazardous waste with official approval.

Packaging:

Waste key number: 15 01 04 = metal packaging

Untaminated and completely empty packaging can be recycled