

with hand and head



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<https://www.apraktika.hu/en/silicone-foam-castable>

SilFoam-240 Two-Component Silicone Foam: Technical Data Sheet

This is a two-component (base and catalyst) addition cure castable silicone foam that cures at room temperature.

During vulcanization it becomes a low-density silicone with a spongy structure.

Main features of the product:

- White color
- Light foam-like
- Non-hazardous substance
- Durable, flexible and form-keeping
- Smooth external surface when choked in a closed tool
- Water, ozone and UV resistant
- Heat resistant up to 180 ° C



Main application areas:

- Shape and model making where compressibility is important
- Production of special shaped insulations
- Replacement and repair of existing silicone foam
- Preparation of durable, non-toxic, child-safe toys, dolls, etc.
- Space filler, if its needed to be made from silicone, wich is combined with other addition cure silicones

1. Instructions for use

1. Weigh the catalyst "A" and base "B" in a proportion given in the table below.
2. Mix the components energetically by hand for 20 second until the components are homogeneous. The mixture starts evaluating into foam, with bubble filled material. Use vinyl glove to avoid skin irritation.
3. Once the mixture is ready cast into the mould. If you take sample from a master object consider using silicone separator. However silicone does not adhere to many materials.
4. If the quantity used is less than what is needed to complete the mould, just take another portion of components, mix them together and apply to the missing part. The two mixtures stick together perfectly within 24 hours.
5. After the hardening time we can separate the model from the object.

The silicon foam is compatible with all gypsums, coatings, polyurethane resins, acrylic resins etc.



2. Important recommendations

Observe the exact proportions! 2 : 1 / volume ratio to obtain the specified technical properties. Surfaces in contact with silicone must be clean, dry and free of grease. Do not use latex gloves!

The presence of sulfur, unbound epoxy, polyester, condensation silicone and polyurethane rubber components prevents the hardening.

If in doubt whether the object or its surface contains the above materials, use release agent.

3. Chemical and physical properties

Mixing ratio volume %	2A:1B
Mixing ratio% by weight	100A:47B
Viscosity of the mixture	10000 mPas
Working time (pot time) at 23 ° C	30 min
Curing time at 23 ° C	1 h
Colour	white
Density after hardening	0,24 g/cm ³



4. Shelf Life

The SilFoam-240 silicone foam is guaranteed for a period of 18 months provided it is stored correctly at a temperature of between 5°- 27°C (41° - 80°F).

The advice given verbally, in writing or through demonstrations for the use of the products are based on our best knowledge.

However the use and application of the product by the user lie beyond the control of the company and are therefore the user's own responsibility.