

# Fogskum Flex

Elastic polyurethane foam

## Product description:

Flexible, elastic and highly isolating construction foam delivered with multi adapter. Can be used either with attached straw or with a standard foam gun, although the best result is achieved with the gun. The product gives a flexible application that is advantageous when mounting frames for windows and doors. Heat isolating (0,034W/m<sup>2</sup>K) and sound absorbent (~60dB).

## Applications:

Foam is used for installation of doors and windows, the best choice for applications that are pressure sensitive. The products elastic properties make it suitable for applications that needs to withstand movement and seal at the same time. Used for thermal insulation and/or acoustic seals around doors, windows or other gaps. The product has good adhesion to most common building materials. The foam is not fully UV stable and shall therefore be painted or covered. Best foam result is achieved with the use of ESSVE Aktivator (Art.nr 118651) and foam gun.

## Technical data:

|                                                              |                                  |
|--------------------------------------------------------------|----------------------------------|
| Type                                                         | Polyurethane foam                |
| Curing System                                                | Moisture activated               |
| Consistency                                                  | Expanding foam                   |
| Density [kg/m <sup>3</sup> ]                                 | 15-20                            |
| Color                                                        | purple                           |
| Packaging [ml]                                               | 500, 750                         |
| Paintable*                                                   | Yes (See below)                  |
| Skin time/open time [min]                                    | 10-14                            |
| Tensile strength (BS 5241) [N/cm <sup>2</sup> ]              | 10                               |
| Compression strength at 10% (DIN 53421) [N/cm <sup>2</sup> ] | 1,5                              |
| Completely cured in joint (23 °C) [hours]                    | 18                               |
| Completely cured in joint (5 °C) [hours]                     | 24                               |
| Thermal conductivity [W/m K]                                 | 0,034                            |
| Sound reduction index R <sub>ST,w</sub> [dB]                 | 60                               |
| Expansion volume [%]                                         | Up to 40                         |
| Appication temperature [°C]                                  | -5 - +30 (Bäst resultat: +20 °C) |
| Can temperature at application [°C]                          | +5 - +25 (Bäst resultat: +20 °C) |

|                                                              |            |
|--------------------------------------------------------------|------------|
| Temperature resistance, cured foam [°C]                      | -50 - +90  |
| Temperature resistance, cured foam, short term exposure [°C] | -65 - +110 |
| Shelf life [months]**                                        | 12         |
| Storage temperature [°C]                                     | +5 - +25   |

All values at 23 ° / 50 % RH, unless otherwise indicated

\* "Paintable" listed only as yes or no in the table. ESSVE always recommend testing before full-scale implementation. Always bear in mind that all product combinations has not been tested and therefore it is always up to the customer/end user to check that the paint, varnish or other coating is compatible with the product in question.

\*\* Best before labeled packaging for products with bag in box applies to unopened bag.

### Instruction/Application:

Follow the directions on the label. Ambient and material temperature should be between -5° and +30°C but the can has to maintain a temperature between +5°C to +25°C to function properly. Best result is achieved at temperatures between +5°C to +25°C. If ESSVE Aktivator is used the product can be used in as low temperatures as -15°C but the foam sets very slowly at those temperatures. Make sure that the surfaces are dry, clean, free from dust/particles and grease/oil before applying the foam. Moisten with water or ESSVE Aktivator before and after applying the foam. Shake the can at least 20 times before using the product. When used, the can must be hold with the opening downwards. Apply the foam sparingly as the foam expands as much as 70%. Apply the foam from the bottom of the cavity to make sure it is filled properly. When used below ground level the foam should be protected from water with a suitable membrane (ex. Silikon Fasad & Glas). Excess foam can be removed when the product has set properly. Use a sharp knife or grind away the excess. After use the container and the gun should be cleaned thoroughly with ESSVE rengöring PU-lim & skum (Art.nr 118798) or a similar product to ensure further use.

### Resistance to aging:

Good, if the product is not exposed to UV-light. Hardened product can absorb moisture if exposed to such but is in itself almost fully water resistant.

### Chemical resistance:

Good

### **Cleaning:**

Unhardened product can be removed with ESSVE Rengöring PU-lim & skum or ESSVE Rengöring Dukar. Hardened product can only be removed mechanically

### **Storage:**

Best stored dark, cool and dry. The product can withstand temperatures down to -10 °C for short periods but should not be exposed to freezing temperatures for long. Store upright. Aerosols shall not be exposed to direct sunlight or temperatures above 50 °C.

### **Safety:**

See separate safety data sheet.

### **Notes:**

*All information in this document is given in accordance with known facts and information at the time of writing. The information is subject to change without further notification. The document is updated continuously in conjunction with regular revision or in the event of major-specific technical changes.*

*All advice given by ESSVE should only be seen as indicative and does not mean that ESSVE can be held responsible for the advice provided. It is always the customer's responsibility, at his/her own risk, to decide on the choice of product, usage, applications, etc. The Supplier's advice is only a part of the customer's decision making data.*