

# FOMLY

SOFT CONCEPT

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## FOMLY® COATED FOAM FURNITURE

### *Characteristics of components*

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## SECTION A:

### What our products are made of?

1. High density cutted polyurethane foam: up to 75 kg/m<sup>3</sup>
2. Coating sprayed directly onto the foam:
  - a. 1<sup>st</sup> layer – primer
  - b. 2<sup>nd</sup> layer – highly durable and flexible elastomer coating
  - c. 3<sup>rd</sup> layer – elastic color top coat

Please check our website and YouTube channel for more information about the **FOMLY® light elastomers technology** and video presentation:

<https://fomly.pl/en/technology>

<https://www.youtube.com/channel/UCd8EOaskWvFNljpOsrXkmg>

## SECTION B:

### Description of components:

#### 1. POLYURETHANE FOAM:

We only use polyurethane foam from tested and reliable suppliers. The densities of the foams we use depend on the intended use of the product, its size and the properties that the product must have to meet our quality standards (flexibility, durability, strength, convenience of use). Foams are designed by

We use standard upholstery foams as well as flame retardant foams.

#### Variety of densities:

STANDARD UPHOLSTERY FOAMS: 40 - 75 kg/m<sup>3</sup>.

FIRE RETARDAND FOAMS: 50 - 60 kg/m<sup>3</sup>

➡ *Technical data sheets of a specified foam - at the customer's request* ←

## 2. COATING:

### ⇒ 1<sup>st</sup> layer - primer (A)

1K solvent based paint for PU flexible foam.  
No THF solvent.

### PURPOSES AND CHARACTERISTICS:

Primer for polyurethane foams. Excellent capacity to close the cells of foam. Pretty strong film with high flexibility; Very good adhesion to the foam. Webbing technology creates micro-wires during the application.

### Primer (A) - the excerpt from the product safety data sheet\*

PRIMER (A)
<p><b>Classification of the substance or mixture:</b></p> <p>EC regulation criteria 1272/2008 (CLP)</p> <ul style="list-style-type: none"> <li>⊠ Danger, Flam. Liq. 2, Highly flammable liquid and vapour.</li> <li>⊠ Warning, Eye Irrit. 2, Causes serious eye irritation.</li> <li>⊠ Warning, STOT SE 3, May cause drowsiness or dizziness.</li> </ul> <p>EUH066 Repeated exposure may cause skin dryness or cracking.</p> <p>Adverse physicochemical, human health and environmental effects: No other hazards.</p>
<p><b>Hazards:</b></p> <p>Hazard statements:</p> <ul style="list-style-type: none"> <li>H225 Highly flammable liquid and vapour.</li> <li>H319 Causes serious eye irritation.</li> <li>H336 May cause drowsiness or dizziness.</li> </ul> <p><b>Precautionary statements:</b></p> <ul style="list-style-type: none"> <li>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</li> <li>P233 Keep container tightly closed.</li> <li>P261 Avoid breathing dust/fume/gas/mist/vapours/spray.</li> <li>P280 Wear protective gloves/protective clothing/eye protection/face protection.</li> <li>P370+P378 In case of fire, use alcohol resistant foam, dry chemical, CO<sub>2</sub>, water spray. Do not use water jet.</li> <li>P403+P235 Store in a well-ventilated place. Keep cool.</li> </ul>

**Special Provisions:**

EUH066 Repeated exposure may cause skin dryness or cracking.

**Contains:**

butanone; ethyl methyl ketone.2-methoxy-1-methylethyl acetate.

**Special provisions according to Annex XVII of REACH and subsequent amendments:**

None

**Other hazards:**

vPvB Substances: None - PBT Substances: None

**Label elements****Hazard pictograms:**

**Signal word:** Danger

*\* source of information - contractors/producers material safety data sheet.*

## ⇒ 2<sup>nd</sup> layer - highly durable and flexible elastomer coating

*Two component 100% solid pure aromatic polyurea (PUA)*

### ADVANTAGES & BENEFITS:

- High durability
- Waterproof
- UV-stable
- Seamless
- Easy for cleaning and disinfection
- No VOC'S and no odors
- Up to 800% maximum stretch of the polyurea coating (high tear resistance).



### SUITABLE FOR:

- Soft coating for multipurpose applications
- PUR flexible foam, Polyethylene foam coating and sealant
- Horizontal sealing, filling of cracks and holes
- It can be used also for standard waterproofing on roof or metal roof (in this case contact our technical office).
- Furniture and industrial design
- Corrosion resistant
- Anti-abrasion
- Building and construction.

## Flexible elastomer coating - the excerpt from the product safety data sheet\*

<b>PART (P) - all colours</b>	<b>PART (I)</b>
<b>Classification of the substance or mixture:</b> Mix of Polyetheramines, polymers and monomers. Component for production of Polyurea – polyurethane, coatings, adhesive, sealants and elastomers. Only industrial and professional use.	<b>Classification of the substance or mixture:</b> Mix of MDI difenilmethane diisocyanate, MDI modified. Component for production of Polyurea – polyurethane, coatings, adhesive, sealants and elastomers.

<p><b>Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]:</b>          Acute Tox. 4,          Skin Corr. 1B          Eye Dam. 1,          Aquatic Chronic 3.</p> <p><b>Classification according to Directive 67/548/EEC [DSD]:</b>          Xn; R21/22; R48/22          C; R34; R36          R52/53</p>	<p><b>Classification according to Regulation (EC) No 1272/2008 (CLP):</b>          Acute Tox. 4          Skin Irrit. 2          Eye Irrit. 2          Resp. Sens.1          Skin Sens. 1          Carc. 2          STOT SE 3          STOT RE 2.</p> <p><b>Classification according to Directive 67/548/EEC:</b>          Xn - Harmful          Xn - Harmful          Xi - Irritant          Carc. Cat. 3</p>
<p><b>Hazards statements:</b>          H302 - Harmful if swallowed          H312 - Harmful in contact with skin          H314 - Causes severe skin burns and eye damage          H373 - May cause damage to organs through prolonged or repeated exposure</p> <p>H410 - Harmful to aquatic life with long lasting effects</p> <p><b>Precautionary statements:</b>          P260 - Do not breathe dust/fumes/ gas/mist/vapours/spray          P273 - Avoid release to the environment          P280 - Wear protective gloves/protective clothing/eye protection/face protection.          Avoid release to the environment.</p>	<p><b>Hazards statements:</b>          H332: Harmful if inhaled          H315: Causes skin irritation          H319: Causes serious eye irritation          H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled          H317: May cause an allergic skin reaction          H351: Suspected of causing cancer &lt;state route of exposure if it is conclusively proven that no other routs of exposure cause the hazard&gt;.          H335: May cause respiratory irritation          H373: May cause damage to organs &lt;or state all organs affected, if known&gt; through prolonged or repeated exposure &lt;state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard&gt;.</p> <p><b>Precautionary statements:</b>          P260 Do not breathe dust/fume/gas/ mist/vapours/spray          P280 Wear protective gloves/protective clothing/eye protection          P284 Wear respiratory protection          P302+P352 IF ON SKIN: Wash with plenty of soap and water          P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing</p>

<p><b>Other hazards:</b> Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII: PBT: No. P: No. B: No. T: No.</p> <p>Substance meets criteria for vPvB according to Regulation No. (EC) No. 1907/2006, Annex XIII: vPvB: No. vP: No. vB:</p> <p>Other hazards which do not result in classification: None known</p>	<p>P305+P351+ IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. P338 Continue rinsing P308+P311 IF exposed or concerned: call a POISON CENTER or doctor/physician</p> <p><b>Supplemental Hazard information (EU):</b> EUH204 Contains isocyanates. May produce an allergic reaction.</p> <p><b>Other hazards:</b> All MDI analogues included in the category are not persistent (P) and not bioaccumulation (B) criteria, but they meet the criteria for toxicity (T) in accordance with Annex XIII of 1907/2006/EC.</p>
<p><b>Label elements:</b></p> <p><b>Hazard pictograms:</b></p>  <p><b>Signal word:</b> Danger</p>	<p><b>Label elements:</b></p> <p><b>Hazard pictograms:</b></p>  <p><b>Signal word:</b> Danger.</p>

*\*source of information - contractors/producers material safety data sheet.*



## ⇒ 3<sup>rd</sup> layer - elastic color top coat

Two-component varnish for painting artificial materials, including integral polyurethane foams.

### Color top coat - the excerpt from the product safety data sheet\*

Component (A) - polyurethane paint	Component (B) - hardener
<p><b>Product classification: mixture</b></p> <p>Classification according to regulation (EC) Nr 1272/2008 [CLP/GHS]            STOT SE 3 H 336            Flame Liq 2 H 225</p>	<p><b>Product classification: mixture</b></p> <p>Classification according to regulation (EC) Nr 1272/2008 [CLP/GHS]            Eye Irrit 2 H319            Skin Sens. 1 H 317            Resp. Sens. 1 H 334            STOT SE 3 H 336            Aquatic Chronic 3 H 412            Flame Liq 2 H 225</p>
<p><b>Hazards:</b></p> <p><u>Hazard statements (H-phrases):</u></p> <p>H 225 Highly flammable liquid and vapor            H 336 May cause drowsiness or dizziness.</p> <p><u>Precautionary statements (P-phrases):</u></p> <p>P210 Keep away from heat / sparks / open flames / hot surfaces. No smoking.            P261 Avoid breathing dust / fume / gas / mist / vapors / spray            P403 + P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>Contains: ethyl acetate</p>	<p><b>Hazards:</b></p> <p><u>Hazard statements (H-phrases):</u></p> <p>H 317 May cause an allergic skin reaction            H 319 Irritating to eyes            H 225 Highly flammable liquid and vapor            H 334 May cause allergy or asthma symptoms or breathing difficulties if inhaled            H 336 May cause drowsiness or dizziness</p> <p><u>Precautionary statements (P phrases):</u></p> <p>P210 Keep away from heat / sparks / open flames / hot surfaces. No smoking.            P261 Avoid breathing dust / fume / gas / mist / vapors / spray            P280 Wear protective gloves / protective clothing / eye protection / face protection.</p> <p>P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact</p>



<p><u>Other hazards:</u> The mixture meets the PBT criteria: not applicable The mixture meets the vPvB criteria: not applicable.</p>	<p>lenses, if present and easy to do. Continue rinsing.</p> <p>P312 Call a POISON CENTER or doctor / physician if you feel unwell.</p> <p>P403 + P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>Contains: ethyl acetate</p> <p><u>Other dangers:</u> The mixture meets the PBT criteria: not applicable The mixture meets the vPvB criteria: not applicable.</p>
<p><b>Label elements</b></p> <p><b>Pictograms:</b></p>  <p><b>Signal word:</b> Danger.</p>	<p><b>Label elements</b></p> <p><b>Pictograms:</b></p>  <p><b>Signal word:</b> Danger.</p>

\* source of information - contractors/producers material safety data sheet.

## SECTION C:

### Certificates and standards met by FOMLY® products.

#### Certificate of Conformity No. KOMAG/21/0065

We have commissioned series of detailed tests of our products to be carried out by a qualified, notified research and development unit with a product certification department, according to a number of European and world quality and safety standards.

Over 3 months of research on the flammability, safety of the chemical composition of the coatings we use, have brought a positive results. The certificate issued at the end of the process proves that our products meet European standards such as:

**PN-EN 71-1+A1: 2018-08** (mechanical and physical properties)

**PN-EN 71-2+A1: 2014-06** (inflammability)

**PN-EN 71-3: 2019-07** (migration of chemical elements)

The certificate is a confirmation of conformity with:

- the requirements of **Regulation (EC) no 1907/2006** of the European Parliament and of the Council of 18 December 2006 concerning Regulation, Evaluation, Authorisation and Restriction of Chemicals (**REACH**), as regards the content of phthalates, cadmium, benzene, organic tin compounds and polycyclic aromatic hydrocarbons and formamide.
- the requirements of **Directive no 2009/48/EC** of the European Parliament and of the Council of 18 June 2009 on the **safety of toys** as regards the content of flame retardands;
- the requirements of **Commision Directive (EU) 2015/2115** of 23 November 2015 amending, for the purpose of adopting specific limit values for chemical used in toys.

[The certificate is an integral appendix to this document.](#)

This document is the property of:

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The content of the document is based on information obtained from FOMLY® contractors and company private technology data.

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