

## TERAFLEX® PU PROFESSIONAL WINTER

winter gun grade polyurethane foam  
 for filling up construction joints and holes, mounting window  
 and door frames in winter conditions up to -10°C

### Scope of use

TERAFLEX® PU PROFESSIONAL WINTER is single-component self-expanding polyurethane foam for gun application, which hardens from the humidity in the air. It is used in construction for sealing, filling, bonding, insulating and mounting at low temperatures up to -10°C. It has excellent adhesion and bonds itself extremely strong to most construction materials (concrete, bricks, stones, masonry, mortars, bitumen insulation materials, wooden, metal and glass surfaces, etc.). It has a very good thermal and noise insulation characteristics and can be used effectively for filling up joints between thermal insulation boards from EPS and XPS, as well as for preventing the formation of thermal bridges between them.

It is designed for various mounting activities, vacuuming, sealing joints, filling up gaps, holes and cracks in walls, roofs and building constructions from different materials. It is recommended for use when mounting window and door frames; window insulation; insulation of pipes and electrical installations; creating soundproof barriers; fixing and insulating of panels, roof tiles; for stabilizing and sealing pipes which go through walls, etc.

It has excellent thermal-insulation characteristics, frost and heat resistance, it resists to environmental influences. After hardening it can be cut, polished, painted and covered up with plaster. It contains safe for the environment gas, which complies with the latest EU directions. The bottle has a special nozzle for fixing the gun.



### Properties

for use in winter conditions up to -10°C	resistant to moisture and aging
it increases its volume up to 55 times	excellent thermal and noise insulation
excellent bonding to many materials	prevents the formation of thermal bridges
easy for use and application	can be cut and painted on
precise dosing, no waste of material	contains safe for the environment gas

## Composition

Single-component low-expanding polyurethane foam.

## Packaging and indicative consumption

### Packaging:

Bottle 800 g.

### Volume reached after extrusion:

**36 – 40 L** from packaging of 800 g.  
depending on the working conditions: temperature,  
air humidity, sufficient space for expansion, etc.

## Expiration date and storage

Store and transport in tightly sealed original packaging in dry and cool place (between +10°C and +20°C). The bottles have to be vertically placed with the nozzle facing upwards!

Keep away from high temperatures. They reduce the durability of the product.

The product is good for use 12 months after production date of an unopened original packaging.

## Instructions for use

### Preparation of the base

The surface should be clean, dry and stable. It must be free of dust, dirt and other contaminations, that can influence in a negative way on the bonding and it should not contain any separating substances (grease and others). When working at low temperatures, caution should be taken that there is no frost, ice or snow on the base.

The dry and porous surfaces should be wet before the application of the foam. Wetting them improves the adhesion and accelerates the hardening of the polyurethane foam.

### Method of work

The optimal working temperature of the bottle is 20 – 25 °C. At a lower temperature, prior to use, the bottle should be stored at a temperature of about +20°C for at least 12 hours or to be warmed in a container of warm water (up to t=40°C) for about 20 minutes.

Before use the bottle should be shaken well for a few seconds with the valve facing down. The safety cap of the nozzle is removed and the bottle is screwed to the adapter ring of the gun. Press the trigger (for about 2 seconds) of the gun, so that the foam will enter into the extrusion tube. During application hold the gun with the bottle vertically positioned with the nozzle facing downwards. The amount of the outgoing foam can be adjusted by the trigger and the valve of the gun. It should be left space some for curing, as the applied foam continuous to increase its size 2 – 2,5 times.

Before replacing the empty bottle with a full one, shake well the full one, then unscrew the empty one and screw the new one. The replacement has to be done quickly in order to prevent the hardening of the foam in the gun adapter. The hardened PU foam can be removed only mechanically.

When shorter work breaks, it is not necessary for the bottle to be removed from the gun. When longer breaks (more than 15 min.), the bottle should be removed and the gun cleaned with TERAFLX® PU CLEANER, cleaner for polyurethane foam. If the bottle is not completely used, its valve must be thoroughly cleaned with TERAFLX® PU CLEANER, cleaner for polyurethane foam.

If gaps wider than 5 cm are being filled, the foam should be applied in layers one after another, after setting the previous one. Hardening can be accelerated and adhesion is improved when extruded foam is sprayed with water. After hardening the foam must be kept away from UV rays.

## **Attention!**

**To be used at temperatures of the base and the environment of between 0°C and +35°C. The ambient temperature must not be below 0°C within the next 8 hours!**

**The process of drying and hardening of the material varies depending on weather conditions.**

**The bottle is under pressure! Keep away from sunlight and temperatures above 50°C!**

**It contains flammable substances!**

**Do not use near flame or source of fire!!**

**After use do not burn or open with force!**

**Do not spray on flame or scorching objects!**

**Keep away from sources of inflammation!**

**Do not smoke during work!**

**Do not transport it in the trunk of vehicles (never in the passenger compartment)!**

**Contains substances harmful to health!**

**It is necessary to wear protective gloves and glasses!**

**During work do not consume food!**

**In case of health problems when working with the product, consult a doctor!**

**Keep out of reach of children!**

**Hazard description:**

Contains:  
 diisocyanate - 4,4 - diisocyanate

**Hazard symbol:**

**Xn** - Harmful to the health!

**F+** - Highly flammable!

Precautionary phrases	
R 12	Extremely flammable.
R 20/22	Harmful if inhaled or swallowed.
R 36/37/38	Irritating to eyes, respiratory system and skin.
R 42/43	May cause sensitization by inhalation and skin contact.
R 48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
S 2	Keep out of reach of children.
S 23	Do not breath spray.
S 28	After contact with skin, wash immediately with plenty of soap and water.
S 36/37	Wear suitable protective clothing and gloves.
S 46	If swallowed seek medical help immediately and show the packaging or label.
S 51	Use only in well-ventilated areas.

The information contained in the current document is based on our knowledge and recent technical achievements and experience that we have at the time of our last version. The technical recommendations concerning the application, which we offer in order to facilitate buyers and those working with our products are non-binding and are neither grounds for legal contract relations, nor for additional obligations resulting from the purchase contract. They do not dispense buyers from the necessity to verify products application according to the instructions for every specific use. We as manufacturers guarantee the quality of the product, but cannot influence the circumstances and methods of its use. Application of the product should be performed by qualified personnel.