

## TECHNICAL DATA SHEET



### GUDFOR A++ sprayable thermal insulation

GUDFOR A++ innovative technology sprayed one-component polyurethane thermal insulation, developed in cooperation with building finishing and insulation masters, in order to facilitate their work in insulating hard-to-reach, complex-shaped, uneven, cylindrical, convex or polygonal surfaces. Has strong adhesion to most building materials, including wood, masonry, metal, glass and many plastics except Teflon, polyethylene. GUDFOR A++ fast hardening material forms a layer that protects against air and moisture infiltration and heat loss. After full hardening, it can be cut, sanded, puttyed, plastered and painted. GUDFOR A++ is one of the most effective and fastest solutions for cold bridges, moisture and wind insulation, created on the basis of one-component polyurethane, the use of which for building insulation is rapidly gaining popularity and growing worldwide.

#### Advantages

- Yield 2,5 m<sup>2</sup>.
- Thermal conductivity coefficient 0,033 W/mK.
- Second layer can be applied after 20 min.
- Sound insulation 60 dB.
- Suitable for indoor and outdoor use.

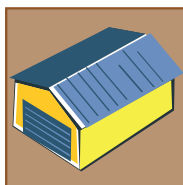
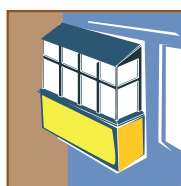
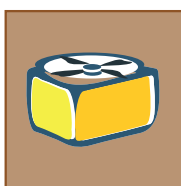
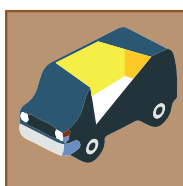
#### Perfect adhesion with:

- wood;
- concrete;
- any type of metal;
- PVC;
- brick;
- plasterboard panels;
- EPS and XPS;
- tiles.

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### Perfect adhesion with:

- For warming walls, roofs, attics, facades, foundations, balconies of residential and commercial buildings.
- For thermal insulation of minibuses, closed trailers, cargo refrigerators.
- For heating pipelines.
- To seal and insulate the entrances of communication systems.
- For heating tanks and wells.
- For heating baths.



### Technical specifications

| Indicator                           | Units             | Value        |
|-------------------------------------|-------------------|--------------|
| Color                               |                   | light green  |
| Yield (2,5 cm thickness)            | m <sup>2</sup>    | 2,5          |
| Validity                            | month             | 18           |
| Duration of stickness               | min.              | 4            |
| Duration of polymerization          | min.              | 45           |
| Full curing (+20 °C)                | h                 | max. 24      |
| Density                             | kg/m <sup>3</sup> | 17-28        |
| Flammability class                  |                   | class B3     |
| Shrinkage                           | %                 | none         |
| Expansion                           | %                 | 30           |
| Temperature resistance after curing | °C                | -80 ... +120 |
| Sound reduction index               | -                 | 60 dB        |
| Resistance to crushing              | MPa               | 0,03         |
| Thermal conductivity coefficient    | W/mK              | 0,033        |
| Density                             | ml                | 850          |

\* These values were obtained at a temperature of +22 °C and a relative humidity of 50%

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### Directions of Use

Surfaces must be dry, clean and free from grease,moisten by spraying. Shake the balloon, screw on the gun, put a special nozzle (in the kit) on its top. Nozzle A is for vertical surfaces and nozzle B is for ceilings. Open the gun valve to the maximum. Spray on the surface from a distance of 30-45 cm, fully pressing the trigger of the gun. The sprayed layer should not be thicker than 3-5 cm (an additional layer can be applied after 20 minutes). While working, periodically shake the vial with the gun. After coating the surface, moisten the insulating material by spraying water. Working environment temperature: from +5 °C to +35 °C. Recommended working temperature of the vial: +18 °C ... +25 °C. It finally hardens within 24 hours.

### Storage conditions

Store upright in a dry place at +5 °C to +30 °C. Expiry date - 18 months from the date of manufacture, subject to storage regulations. Protect vials with spray thermal insulation from direct sunlight and heat above 50 °C.

### Health & Safety

Product Safety Data Sheet must be read and understood before use. These are available on request.

### Waste management

Completely empty the packaging and dispose of properly.