

MANUFACTURER'S DECLARATION

Product:

**Cellulose insulation material
"Werrowool-K"**

Manufacturer:

Werrowool OÜ
Tsooru mnt 31, Antsla, Võrumaa, Estonia
info@werrowool.ee
www.werrowool.ee

Area of application and installation:

For insulation of horizontal and vertical surfaces in private and public buildings. The best results will be achieved by professionals with installation machinery. DIY (do it yourself) is recommended if following Manufacturer's installation guide.

Depending on the installation technology, the material consumption is as follows:

Open horizontal surfaces	Dry installation	25-44 kg/m ³
Sealed structures	Dry installation	38-80 kg/m ³
Open vertical surfaces	Wet installation	Suggested to use Cellulose insulation material "Werrowool" instead

Composition:

- Recycled cardboard
- Compound for fire-resistance, against vermin and fungus, mould growth retardation

Characteristics:

- Enhanced fire-resistance. Fine particles of salt additives will settle on the insulation layer following to the installation: <https://www.youtube.com/watch?v=ZcxRT3bwzmo>
- Heat conductivity coefficient range determined by different layer thicknesses and densities $\lambda = 0.0394 \text{ W/mK} - 0.0452 \text{ W/mK}$ is tested by the Department of Energy Technology of Tallinn University of Technology (certificate L028) in accordance to methods EVS-EN 12667:2001.

Package:

Craft-paper bag 13,6 kg (+/- 1.0 kg)

Environmental aspects:

- The material is environment-friendly and made from recycled materials.
- Dispose of as regular paper waste. Packages are re-collected from buyers in large extent and recycled to cellulose wool or used as raw-material in pulp and paper industry.

Accordance to regulations:

- Production and testing procedures are performed and installation instructions based on un-harmonized European Union standards EVS-EN 15101-1:2013+A1:2019.
- Quality management is ISO 9001 certified.
- Environment management system is ISO 14001 certified.