Winter Termo Organika Foam

insulates, fills, seals

- single-component product
- easy, convenient and quick to apply
- clean in use
- excellent adhesiveness to mineral surfaces and to EPS
- high durability
- excellent acoustic and thermal insulation
- eliminates thermal bridges
- susceptible to grinding and painting
- based on polyurethane pre-polymer
- hardens in moisture
- contains an environmentally-friendly propellant in compliance with prevailing EU legal regulations
- does not contain solvents and freons
- application in temperatures down to -10°C
- low-expansion

Application

- filling gaps between thermal insulation panels in thermal building insulation systems (ETICS).
- filling apertures around window and door frames;
- insulating points where pipes go through walls;
- insulating water supply systems and water tanks;
- filling apertures along floors and floor skirting boards;
- filling gaps, small openings in walls and other cavities.

Preparation of the Surface

Fresh foam adheres to all commonly applied mineral building materials, including insulation materials such as: EPS, XPS, mineral wool, etc.

Every surface must be compact, smooth, load-bearing, dry, clean and without any film (grease, dust, etc.) which would reduce adhesiveness. Foam does not adhere to non-mineral surfaces such as: silicone, polyethylene, some other plastics, etc. **Before application the surface must be well moistened with water.** Foam may be applied in a temperature of between -10℃ and +40℃. Hardened foam is semi-rigid and forms a structure of enclosed cells. It is resistant to temperatures of between -55℃ and +100℃ and to ageing processes, except UV radiation. After hardening, it can be cut, ground, sanded, painted or plastered.

Instruction for Use

Before application, the temperature of the can and its content must be between -10℃ and +40℃ (optimum application temperature: approx.: +20℃). Shake the can vigorously 15-20 times. Additionally, shake from time to time during application.

Screw the attached applicator gun onto the can. Be careful not to activate the valve when screwing the gun on, because of the risk of uncontrolled flow of foam. Do not unscrew the gun before the can is completely empty.

Before use, cold containers must be carefully warmed in tepid water. Do not heat containers to a temperature above +50℃, because of the risk of explosion. Heated containers (e.g. left in vehicles in summertime), must be cooled down in water. Whilst cooling, containers may be shaken from time to time in order to reach the required temperature of the product more quickly.

Clean the application pipe and surfaces smudged with foam using Dow cleaner (Great Stuff Pro – polyurethane foam cleaner). Equal and quick hardening of the foam requires moisture. Inappropriate moistening or overflowing of the joint and the openings may lead to uncontrolled expansion of foam volume.

After opening, use the product within four weeks. Fresh foam expands between 1.5 and 2 times, so be careful not to fill the joint too much. Remove any excess or fresh foam using Dow Great Stuff Pro cleaner. Hardened foam can be removed mechanically.

Safety of Use

The product contains isocyanates. Avoid contact with skin and do not inhale the gases which may

cause an allergy. Do not inhale atomized liquid. It irritates eyes, respiratory system and skin. During work wear protective clothing and eye protectors. The product is extremely flammable. Do not use near fire and sources of ignition. Do not atomise towards the direction of a flame or heated materials. Flammable/explosive mixes of vapour with air can be formed during application. Protect against temperatures of more than +50℃. Pressurised container. Do not puncture the can during or after use.

Note

In addition to the above recommendations, follow good building practice and work-safety rules. The manufacturer warrants the quality of the product but has no influence on the manner, place and conditions of its storage and application. Building work should be done by professionally qualified contractors.

Technical Data

The data pertains to fresh foam at a temperature of approx. 23℃

- Yield:
  up to 42 litres
- Skin formation time:
  approx. 4 min.
- Hardening time:
  approx. 2 hrs.
- Water absorbability after 24h with partial immersion without skin:
  below 1 kg/m^2
- Dimensional stability (shrinkage):
  below 5%
- Minimum working temperature:
  -10℃
- Maximum working temperature:
  +40℃
- Optimum working temperature:
  (can, application surface) +20℃
- Temperature stability:
  -55℃ ÷ +100℃
- Thermal conductivity ratio:
  0.030 W/mK
- Storage:
  18 months from date of manufacture. The product should be stored and transported in a dry place, valve up, in a temperature of between +5℃ and +30℃.

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