Technical Data Sheet

Wisapur®-MS Kombischaum W

High quality 1C assembly foam, suitable for use all year round from -15 °C, with combi valve for foam guns and hose adapter in can

Application areas

The product is used in a variety of ways for filling, mounting, insulating and damming:

- in the installation of windows and doors to fill the cavities between the frame and masonry
- for pipe and cable penetrations through walls, floors and ceilings
- for filling and sealing cavities and joints
- for special applications
- predestined for the constant demand in renovation and new building; ideal for window manufacture, assemblers, handicraft, resellers and all those who use both gun foam and adapter foam

Product benefits

- one foam for both summer and winter use
- replaces up to four products (gun foam, adapter foam, winter gun foam and winter adapter foam)
- good sound insulation from ca. 60 dB
- good thermal insulation
- high volume yield through low foam density
- low post-expansion
- precise, one-handed dosing option using a foam gun
- tack-free after ca. 8 - 12 min
- cuttable from ca. 20 - 40 min
- good temperature resistance
- good tensile, compressive and shear strength
- excellent dimensional stability
- fulfils GEV-Emicode EC 1 Plus
- outstanding adhesion to mansory (bricking), concrete, plastering, stone, fibre cement, wood, metal and many other materials widely used in construction like polystyrene foam (Styropor), hard polyurethane foam, polyester or PVC-hard

Base

1C polyurethane; cross-linking is chemically neutral with air humidity. The product has no nutritional value for insects or other animals and is a poor substrate for fungal growth.

Restrictions

Not suitable for PE, PP, PTFE (Teflon®), glass, substrates containing silicone, bitumen and wax, permanent water loading, use (e.g. filling) in cavities with insufficient moisture. Not UV-resistant (unless the PUR foam has a paint or coating finish)!

Cleaning agents

Wisaclean R 216 for cleaning non-absorbent adhesive surfaces and fresh product residues. Wisapur-MS spray cleaner for cleaning the foam guns. The cured product can normally only be removed mechanically. To wash your hands, please use water and soap.

Processing

The bonding surfaces must be sound and free of dust and grease. If necessary, repair defective substrates beforehand. Surfaces and fresh PUR foam should be cleaned with Wisaclean R 216. Moisten (spray) surfaces with water before foaming.

Depending on the gun adapter (observe manufacturer's instructions), it may be worth greasing the gun lightly with vaseline or Teflon spray to prevent sticking.

Shake can vigorously before each use. Screw the can onto the foam gun and press the trigger for approx. 10 s so that the gun is filled with material and free of air. Use the trigger lever or dosing screw to set the discharge quantity. Alternatively, the supplied tube adapter can be used instead of a foam gun.

Hold can with valve pointing downwards during use!
Fill joint to ca. 70 % (low post-expansion). After use, secure the foam gun with the dosing screw so that no foam can escape. Always leave a (partially) filled foam can on the gun, otherwise there is a risk that the gun will become irreversibly clogged. Always replace empty foam cans immediately.

When changing the can, carefully unscrew the empty can and pull the trigger at the same time to allow the gas to escape.

Important during can changeover: Replace the empty can immediately (within 1 - 2 min) with a new can and then pull the trigger of the gun for approx. 10 s to refill the gun with material !!!!

If the valve adapter was used, remove it immediately after foaming. This means that, in the majority of cases, the same can can be used a number of times.

Maintenance / Prolonged non-use

Once the product in the gun has hardened, the gun is unusable. Therefore, if the gun is not used for a longer period of time or if it no longer works well, screw on PU foam cleaner (can) and spray the gun thoroughly to clean the inside. Use the valve adapter only once and unscrew it immediately after the application.

Density

ca. 20 - 27 kg/m^3 (cured foam, may vary depending on conditions)

Tack-free time (TFT)

from ca. 8 - 12 min (depending on application quantity, temperature and humidity)

Cuttability time

from ca. 20 - 40 min (depending on application quantity, temperature and humidity) firm

Total foam yield

ca. 35 - 40 l (acc. to FEICA TM 1003)

Curing time

from ca. 80 - 120 min (depending on application quantity, temperature and humidity even longer; up to 24 h)

If necessary, fill larger cavities in layers of ca. 4 cm.
Wait about 15 - 30 min. between applications. The surfaces to be bonded should be lightly moistened with water before each application.

Dimensional stability

-5 % < dimensional stability < 0 %

Wisapur®-MS Kombischaum W

Cell structure	Partially open-pored; the foam absorbs some water / moisture. Ratio of closed to open-pore cells = ca. 7:3 (±70 %)
Thermal conductivity	ca. 30 - 35 mW/(m*K)
Sound insulation	ca. 60 dB
Operating temperature	from -15 °C up to +35 °C (optimum material temperature ca. +20 °C)
Min. temperature	Substrate: from -15 °C Material (can): from 0 °C (optimal from +15 °C up to +25 °C) If necessary, temper the can in a bucket of lukewarm water before use. At freezing temperatures, do not moisten substrates with water.
Temperature resistance	cured foam from -40 °C up to +90 °C for a short time up to +140 °C
Frost resistance	up to -15 °C (during transport)
Repairing	can be repaired with the same material
Substrates	Concrete, stone, plaster, compact masonry, mortar, wood, wood-based materials, metal, PVC-hard, polystyrene foam (EPS/XPS), hard polyurethane foam, polyester, epoxy, many thermoplastics and duroplastic plastics (except PE and PP) and many other materials. In case of other surfaces, own tests are required.
Certificates / Norms	▪ GEV-EMICODE EC 1 Plus ▪ Building material class B3 (Fire behaviour acc. to DIN 4102 - part 1)
Further information	More information about this product (current technical data sheet, safety data sheet, certificates, product variants, etc.) can be found via the adjacent QR code.
Item no. + Colour	**MS 906.750.12 green** - spray can of 750 ml
Delivery form	Packing unit of 12 spray cans of 750 ml
Shelf life	In closed original packaging, protected from direct sunlight and stored in a dry place between +15 °C and +25 °C, the official shelf life is 18 months from date of production (the printed expiry date is decisive). **Always store cans upright, otherwise the valves will clog!**
Accessories	MS.RA — Single-use tube adapter for combi-valve; to unscrew after use! MS 905.500 — MS 905.500 Wisapur-MS Spray-Cleaner foam gun cleaner à 500 ml

Safety and disposal: Familiarise yourself with the valid Safety Data Sheets (SDS) for the products used. All applicable safety regulations and disposal instructions must be observed.

Observe: All information is based on careful examinations in the labs and our previous practical experience. They are non-committal notes. Due to the many materials that are marketed and the different processing methods, which we cannot influence, we can, of course, not assume any warranty, including under patent-law, for the result of your work. We recommend performing sufficient own tests to find out if the product meets the respective requirements. In addition, we refer to our terms and conditions of sale, delivery and payment, available at www.wisabax.ch/agb.html. © Wisabax AG - This technical data sheet replaces all older versions.

Have you noticed an unclear formulation or an error? Thank you for your feedback. In case of doubt, the German version of the technical data sheet applies.