

Data Sheet

MicroSystem Adhesive - Adhesive for ventilated facade panels

Microsystem Adhesive is a one-component, neutral cross-linking hybrid adhesive that combines mechanical strength with high elasticity.

Microsystem Adhesive is part of the MICROSYSTEM system for fixing ventilated facades.

PRODUCT PLUS

- Single-component, ready to use
- Compensation of thermal expansion
- Able to withstand high dynamic stresses
- Excellent resistance to atmospheric agents
- Adheres well to a wide range of substrates

FIELDS OF APPLICATION

Microsystem Adhesive is suitable for making structural joints in ventilated facades between the installed vertical substructure and the facade panel subject to static and dynamic stresses.

SUITABLE SUBSTRATES

Anodized aluminum, wood, ceramic, porcelain stoneware, fiber cement and glass.

Microsystem Adhesive hardens by reacting with atmospheric humidity.

At low temperatures the percentage of water in the air is generally low and hardening proceeds more slowly. It is necessary to carry out preliminary checks with the substrates and specific application conditions to ensure perfect adhesion and compatibility of materials.

APPLICATION INDICATIONS

Preparation of the substrates

Surfaces must be clean, dry and free from any traces of grease, oil and dust. The substructure and panels must be prepared according to the instructions provided for the specific substrates.

Application

Cut off the nozzle on the head. To ensure a uniform thickness of the adhesive once compressed, it is recommended to apply the adhesive with triangular curbs. To ensure a minimum bead size of 10 x 3 mm it is necessary to cut the nozzle with dimensions of 10 x 8 mm.

Do not apply a temperature below 5 ° C or above 35 ° C.

Cleaning

Microsystem Adhesive not polymerized can be removed from the tools with specific solvent based cleaner. Once hardened, the material it can only be removed mechanically. Hands and skin should be washed immediately using Fast Clean wipes or a suitable one industrial hand wash and water. Do not use solvents.

TECHNICAL DATA OF THE PRODUCT

Chemical basis	Single component adhesive
Colour	Black
Curing mechanism	Atmospheric humidity
Type of hardening	Neutral
Density (uncured)	1.47 kg / l
Non-slip properties (thixotropy) (ISO 7390)	0 mm
Application temperature from	5 to 35 ° C
Skin formation time	20 min
Shore A hardness (ASTM D2240)	57
Tensile strength (DIN 53504)	2.2 MPa
Elongation at break (DIN 53504)	200%
100% modulus (DIN 53504)	1.54 MPa
Tensile shear strength (EN14293)	2.0 MPa
Movement range	> 20%
Operating temperature from	-40 ° C to +80 ° C

All technical data specified in this Technical Data Sheet are based on laboratory tests. Data recording at +23 ° C temperature, 50% R.H. and no ventilation. They may vary depending on the specific site conditions.

PACKS

Unipack 600 ml
 Storage ≈ 12 months in the original packaging
 Safety data sheet (MSDS) available on request

WARNINGS

- Product for professional use
- comply with national standards and regulations
- operate at temperatures between +5 ° C and +40 ° C
- do not use on wet substrates
- protect from rain in the first 2 hours after application
- store in cold and dry environments
- in case of need, ask for the safety data sheet