

Ad-Maxx 2.0 Adhesive

This is the approved and proven adhesive for our products. We offer it for installing EasyClean-Direct sheets and attaching plastic corner profiles.

Applications at a glance



Direct bonding of FRP



Fixing profiles

Certificates / Test reports

ISEGA, Aschaffenburg

Suitable for use in areas near food, e.g. for bonding wall and floor areas in food production and processing facilities.



ILAK, Institute for Paint Testing

Salt spray test in accordance with DIN EN ISO 9227

GEV

*classified in EMICODE class EC1^{PLUS} according to GEV criteria



Key properties

- low-emission
- solvent-free
- non-foaming
- low shrinkage
- good adhesion to various surfaces
- flexible bond line
- easy to smooth
- high bond line strength
- compensates for expansion of different materials
- good UV stability

Technische Daten

Base	One-component, moisture-curing, silane-terminated polymer
Colour when cured	white
Elongation at break per DIN 53504	approx. 350 %
Skin formation time - dry at +20 °C, 50% RH, applied quantity 500 mm PE/PVC	approx. 12 min The skin formation time increases during storage from approx. 8 min (freshly produced) to approx. 20 min.
Curing rate at +20 °C, 50% RH	approx. 4 mm in 24 h
Service temperature range	-40 °C to +100 °C, briefly (powder coating) up to +180 °C
Processing temperatures adhesive and substrates	from +5 °C to +30 °C
Tensile shear strength per DIN EN 1465, aluminium/aluminium, 0.2mm bond line, at +20 °C	approx. 3.1 N/mm ²

General information

- High humidity or water significantly reduces the skin formation time
- Differences in material expansion are critical when temperatures fluctuate; verify long-term performance
- Process times (skin formation, joining, pressing, further processing) vary considerably and depend on material, temperature, humidity, application quantity, film thickness, pressing pressure, etc.
- Exact values can only be determined by in-house testing; allow safety margins for all guideline values

Bonding

- Apply adhesive to one side as a bead
- For non-absorbent materials (material moisture < 8%): lightly mist the adhesive with water
- Join the parts within the skin formation time
- Fix or press parts after joining until functional strength is achieved
- Remove excess adhesive while fresh



Preparation

1. Allow the product to acclimatise before application
2. Prepare bonding surfaces: dry, clean, and free of dust and grease
3. Depending on the surface, assess whether sanding or priming is appropriate
4. Polyolefins (PE, PP): can only be bonded after pretreatment (e.g. plasma/corona)
5. Rigid PS: always pretreat with primer
6. Pretreat plastics (PVC, ABS, PC, PET, FRP based on polyester/polyamide), powder-coated surfaces, and mineral substrates (concrete, aerated concrete, sandstone and brick) with a suitable activator

Additional product data

Cleaning



- Remove fresh, uncured adhesive from surfaces and processing equipment using a suitable special cleaner
- Cured adhesive can only be removed mechanically

Available formats



- 1,800 ml aluminium/PP foil sausage, fill weight: 2.74 kg
- 600 ml aluminium/PP foil sausage, fill weight: 910 g
- Other container sizes on request

• Packaging units:

- 12 × 600 ml
- 6 × 1,800 ml

Storage



- Store tightly sealed original containers in dry conditions at +15 °C to +25 °C, away from direct sunlight
- During normal transport, the product may be exposed to temperatures from -30 °C to +35 °C
- Shelf life in the unopened original container: 12 months

Legal Notice

The information contained in this document is based on our current knowledge and experience under normal conditions with proper storage and application. It does not constitute legally guaranteed properties and does not release the user from the obligation to independently verify the suitability of the products for the intended application.

Due to varying materials, substrates, and processing conditions, no liability or warranty can be derived from this information unless inten-

tional misconduct or gross negligence on our part can be proven. In such cases, the user must demonstrate that all information required for proper assessment was provided to ECP completely and in due time.

Technical data and product specifications are subject to change. The latest version of the respective document/data sheet shall always apply. Third-party property rights must be observed by the user. Our current terms and conditions of sale and delivery apply.