

TA-Protect®

Product data sheet

TA-Protect® is a high-quality aluminum tape that is finished with a high-performance FEVE-based coating (fluoroethyl vinyl ether) using a tape coating process. It was developed for use in extreme weather conditions and intense UV radiation and impresses with outstanding colour and gloss retention, excellent protection against chemicals, moisture, and corrosion, as well as exceptional durability. TA-Protect® is therefore ideal for demanding industrial and architectural applications.

Application area

- + Roof and facade solutions with high weather and UV resistance
- + Architectural projects with long-lasting colour and gloss requirements
- + Residential, commercial, and industrial buildings in demanding climate zones
- + Buildings near the sea with salt and moisture exposure

Properties

TA-Protect® is characterized by exceptional durability, easy maintenance, and high environmental compatibility. Even after decades, the colour and gloss remain unchanged. Damage can be easily repaired with spray cans. The hydrophobic, easy-to-clean properties prevent dirt from adhering, reduce maintenance requirements, and preserve the high-quality appearance. Free of lead and chromate compounds, TA-Protect® offers a powerful, safe, and environmentally friendly solution for long-term applications.

Binder base	Fluoropolymer (FEVE)
Coating	25-35 mμ, 2- or 3-layer coating
Gloss	10–85 GE (DIN EN 13523-2) – full gloss range from matt to high gloss
Colours	RAL, NCS, VAG, metallic, anodized, according to template
Substrate	Aluminium
Corrosion resistance	According to EN 1396 – corrosion protection class 3 (comparable to C5 according to ISO 12944 for steel)
UV resistance	RUV5 – highest classification for long-term outdoor use
Compliance with standards	Meets/exceeds GSB Premium, Qualicoat Class 3, AAMA 2605, ISO 12944 (C5-VH)

Mechanical and chemical resistance

MEK test (solvent test)	> 100 double strokes
T-bend (DIN EN 13523-7)	≤ 2 without cracks
Ball drop test	1 x 25 inch/pound without detachment (GT 0)
Hardness (pencil hardness)	F – H
Water and moisture resistance	Very good
Chemical resistance	Very good chemical resistance

Safety and application instructions

When using for the first time or for special project requirements, we recommend contacting us in advance to ensure proper implementation.

TA-Protect® contains solvent-based components and is highly flammable. Ensure good ventilation of the work area during processing so that no vapors are inhaled.

Disclaimer

Our products are based on careful research and reflect the current state of the art. The data and information are provided to the best of our knowledge, but without guarantee. All values given are average values, not maximum or minimum values, and do not constitute a guarantee. Changes and deviations are possible; we expressly reserve the right to make technical adjustments. It is the responsibility of the user to independently check the suitability of the product for the respective application before use. We accept no liability for errors, inaccuracies, omissions or changes. Furthermore, the applicable regulations, rules and DIN standards must be observed. The use of texts, images and drawings, even in part, is not permitted without consent. Our General Terms and Conditions (GTC) apply exclusively.