

Why TA Protect®?

A direct comparison with PE and PVDF.

Why TA-Protect®?

TA-Protect is a FEVE-coated high-performance aluminium developed specifically for durable roofing and façade solutions in demanding outdoor conditions. The coating provides reliable protection against UV radiation, moisture, corrosion and chemical influences, and ensures surfaces that retain their colour and gloss over time.

Discover what sets TA-Protect® apart from PE and PVDF, and why it is the first choice for particularly demanding applications.

Comparison at a glance

	PE	PVDF	TA-Protect®
UV resistance	●	●	●
Colour stability	●	●	●
Corrosion protection	●	●	●
Coastal applications	●	●	●
Repairability	●	●	●
Easy-to-Clean	●	●	●
Service life	●	●	●

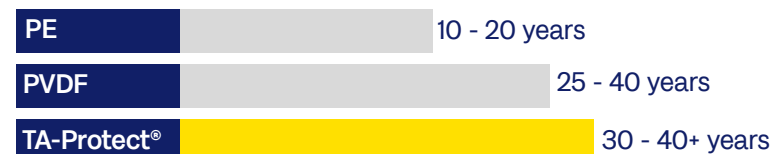
Technical comparison

	PE	PVDF	TA-Protect®
Binder	Polyester	PVDF	FEVE-Fluoropolymer
Coating thickness	25 µm	25 µm	25–35 µm
UV resistance	Medium	Very High	RUV5
Corrosion protection	Good	Very Good	Class 3 according to EN 1396
Chemical resistance	Limited	Very Good	Very Good
Gloss retention	Good	Very Good	Excellent
Easy-to-Clean	No	Partial	Hydrophobic
Repairability	Good	Limited	Very Good

Comparison of service life and cost-effectiveness

It is not just the initial cost that determines the cost-effectiveness of a coating. Whilst PE systems need to be maintained or replaced sooner, PVDF and TA-Protect® stand out thanks to their high durability. TA-Protect® combines long service life with minimal maintenance requirements, thereby reducing the effort required over many years.

Service life



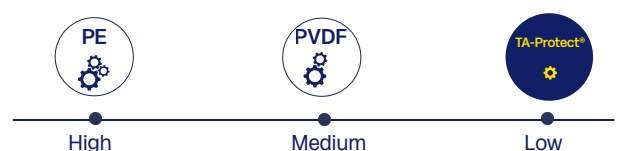
Investment costs



Higher initial investment

→ A significantly longer service life and lower maintenance costs make all the difference.

Maintenance requirements



TA-Protect®

Beauty that lasts.
Less maintenance.
Maximum durability.

Standards and certifications

TA-Protect® meets or exceeds the relevant requirements:

- ✦ GSB Premium
- ✦ Qualicoat Class 3
- ✦ AAMA 2605
- ✦ ISO 12944 (C5-VH)
- ✦ EN 1396, Class 3
- ✦ RUV5

The benefits that make all the difference.

For roofs and façades that continue to impress even after many years.



A lasting, brilliant finish

10 to 85 GE for surfaces with long-lasting colour and gloss stability.



Reliable corrosion protection

Corrosion protection in accordance with EN 1396 Class 3, even for demanding environments



High chemical resistance

Resistant to chlorine, petrol, solvents, acids and other chemicals



Less dirt, less maintenance

Water-repellent, hydrophobic surface with easy-clean properties for effortless cleaning.



Can be repaired quickly and permanently

Touch-ups can be carried out on site using 2K or spray systems.



Maximum UV resistance

RUV5 for long-term colour and gloss stability in outdoor applications.

Maximum design freedom

From matt to high-gloss finishes, as well as effect colours, brushed finishes and anodised looks – for façades that retain their high quality over time.