



Kalzip® ProTect Coating

Kalzip offers a special high quality, extraordinarily weatherproof high-end coating based on a polymer technology using fluorocarbon (FLP) to protect surfaces. It is characterized by extremely high scratch resistance, the best colourshade and gloss stability, and a significantly greater surface hardness and temperature resistance.

Product classification

- Based on a patented polymer technology using fluorocarbon (FLP).
- The HIGH END coil coating product impresses demonstrably with its outstanding colour-shade and gloss stability and minimal tendency to chalk from over 20 years. This was put to the test in Florida for years.
- Can be delivered as two- or three-layer structure.
- For RAL, NCS, and metallic colour shades.
- Can be delivered with a degree of gloss from 15 to 85 E.
- Also offers very good surface hardness and temperature resistance in connection with outstanding long-term properties.
- Exhibits so-called Teflon® behaviour due to the FLP technology, which results in outstanding dirt repellency. A shorter cleaning interval compared with that of other coil coatings results from this. An additional clear coating material develops an anti-graffiti effect.
- Exhibits very good chemical resistance, including resistance to aircraft exhausts, due to FLP technology.
- Is easily malleable and producible for all Kalzip profiles and tight radii.
- Satisfies AAMA 620.

Possible applications

- Kalzip roof and façade profiles

Coil-coating coating process:	Standard	Anti-graffiti effect
System	2-layer system	3-layer system
Pre-treatment	5 µm primer	5 µm primer
Coating thickness	20 µm topcoat	20 µm topcoat 15 µm clear coating material

Resistance tests

Gloss	15–85 E ECCA T2
T-bend crack free	<1.5 T ECCA T7
T-bend adhesion	<1 T ECCA T7
Impact	>46 in-lb ECCA T5
Pencil hardness	>HB ECCA T4
Impact	>46 in-lb ECCA T5
MEK	>100 DR ECCA T11
Sand abrasion	> 50 I ASTM D968
Acetic acid salt-spray test	1000 h DIN EN 13523-8 DIN ISO 9227
Constant-climate condensate	500 h no bubble formation DIN EN 13523-25 (DIN 50017)
QUV-B resistance	5000 h no chalking DIN EN 13523-10
Temperature resistance	140 °C

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