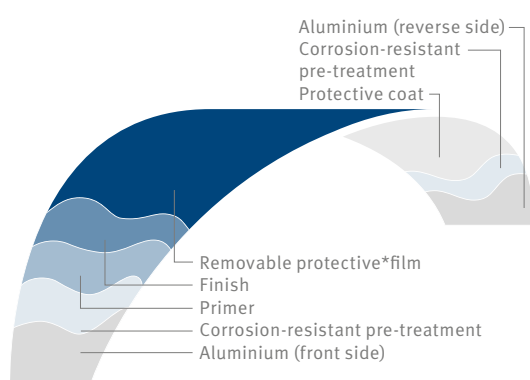


BEMO POLYESTER

MAIN FEATURES

PE/polyester coating is a smooth topcoat on the basis of polyester resin suitable for applications under non-aggressive, non-sea open-air conditions.

On the visible side, the coating thickness is approx. 25 µm. A protective coat of approx. 5 - 10 µm is applied on the reverse side in a light colour.



** Please remove the protective film immediately after mounting of the panels and do not expose the protective film to UV radiation for a longer period of time, not even during storage.*

Our BEMO POLYESTER paint offers the following advantages:

- Polyester (PE) is an economical coating for normal requirements.
- The polyester coating complies with corrosion protection class K111.
- Polyester complies with the current REACH regulation and is completely free of chromates.

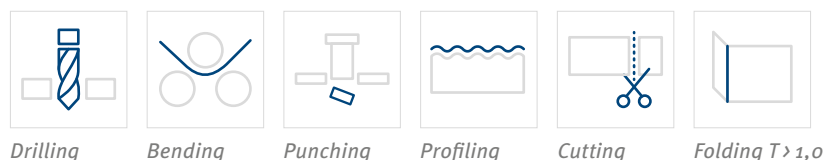
APPLICATIONS

BEMO POLYESTER is recommended for roof and façade solutions under normal conditions in Central Europe.

The coating is characterised by a good balance of hardness and flexibility as well as high chemical and weather resistance. The coating has good bending capacity with a low risk of cracking.

Application with intensive colour shades is not recommended. Before processing, application of a protective film is recommended. Processing should then be carried out at room temperature.

Processing Possibilities



Colour samples



BEMO Polyester

- All RAL and NCS colours possible.
- Standard colours: RAL 9006 / RAL 9007 / RAL 7016
- Minimum quantity for special colours in aluminium: 1.0 to – approx. 350 m²
- Gloss levels from 10° to 90° (standard: GE 25 +/- 5)
- Product groups: BEMO standing seam, UNIKO, PRIMO, trapezoidal and corrugated profiles
- Surface finishes: Smooth, plain and metallic colours

COATING	RELEVANT STANDARD	DETAILS
Coating thickness	EN 13523-1	Primer: 5-15 µm ¹⁾ Finish: 15-25 µm ¹⁾ Tolerances according to EN 1396
Colour	EN 13523-3	Bright colours: ΔE ≤ 1; 45° / 0° Other colours: ΔE ≤ 2; 45° / 0° Metallic: Visual assessment
Gloss	EN 13523-2	Matt to High Gloss (10 – 90 GU) Tolerances according to EN 1396
Pencil hardness	EN 13523-4	Min. F
Bending	EN 13523-7	≥ T1, dependent on substrate
Pre-treatment		Environmentally friendly chrome-free hot A/C pre-treatment
Index of corrosion resistance	EN 1396	2
UV-Resistance class	EN 1396	R _{UV3} ²⁾ , based on QUVA-testing / natural weathering

1) depending on colour

2) Exemption for colours with organic pigments

COMPARISON OF BEMO COATING VARIANTS

COMPARISON OF PAINT TYPES						
	Bending resistance*	Humidity resistance*	Chemical resistance*	Corrosion resistance*	Gloss retention*	Surface hardness*
POLYESTER	3	3	2	3	3	4
BEMO-FLON PROTECT	3	4	4	3	4	3
PVDF	5	5	5	4	5	4
BEMO-FLON FEVE	4	5	5	4	5	3

COLOUR FASTNESS TO ENVIRONMENTAL IMPACTS						
	Rural environment*	Urban environment*	Industrial environment*	Distance from the coast*		Sun-intensive zones*
				> 5 km	1,5 – 5 km	
POLYESTER	3	3	2	2	0	0
BEMO-FLON PROTECT	4	4	3	3	3	1
PVDF	5	5	5	5	5	5
BEMO-FLON FEVE	5	5	5	5	5	5

*(Classification according to BEMO)

Rating scale: 5 = very good, 1 = poor

Cleaning

Please observe the cleaning instructions on the technical data sheet "BEMO painted surfaces – Cleaning instructions" on our website.



BEMO maintains the right to update and modify the contents of this datasheet at any time. The specified values are average values of the various paint manufacturers of the coating system and may vary slightly depending on the colour and base material. Each customer is advised to ensure that the product is suitable for his production.

Version: 03/2023

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