

# BEMO COATING SYSTEMS

- For use on aluminum in Material characteristic EN AW 3xxx series und EN AW 4115
- Production with coil coating from 0,5 – 2,0 mm material thickness
- Quality according to DIN EN 1396 and DIN EN 10169
- Test standard according to EN 13523 (coil coated metal)
- Certificate for ASTM oder AAMA 2605 on demand

## COMPARISON OF BEMO COATING VARIANTS

COMPARISON OF PAINT TYPES						
	Bending resistance*	Humidity resistance*	Chemical resistance*	Corrosion resistance*	Gloss retention*	Surface hardness*
<b>POLYESTER</b>	3	3	2	3	3	4
<b>BEMO-FLON PROTECT</b>	3	4	4	3	4	3
<b>PVDF</b>	5	5	5	4	5	4
<b>BEMO-FLON FEVE</b>	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	
<b>POLYESTER</b>	3	3	2	2	0	0
<b>BEMO-FLON PROTECT</b>	4	4	3	3	3	1
<b>PVDF</b>	5	5	5	5	5	5
<b>BEMO-FLON FEVE</b>	5	5	5	5	5	5

\*(Classification according to BEMO)

Rating scale: 5 = very good, 1 = poor

TECHNISCHE DATEN (Auszug)								
	Coating thickness EN 13523-1	Gloss EN13523-2 Angle 60°	Flexibility (T-Bend**) EN 13523-7	UVA-Resistance colour EN13523-10 ΔE (cmc)	UVA-Resistance Gloss EN13523-10	Acetic salt spray fog resistance EN 13523-8	Pencil hardness EN 13523-4	Functional / esthetic guarantee (> 5 km coast)
<b>POLYESTER</b> (2-coats)	25 +/- 3 μm (Nominal 25 μm)	10 – 90 GE	≥ 1T	≤ 2 2000 h	≥ 60 GE 2000 h	class 3 1000 h	≥ F (8)	10 / 5 years zone A
<b>BEMO-FLON PROTECT</b> (2-coats) (Polyesterbasis)	35 +/- 5 μm (Nominal 35 μm)	5 – 90 GE	> 0,5 T	≤ 2 3000 h *	≥ 80 GE 3000 h *	class 3 1000 h	≥ HB (7)	20 / 10 years zone A
<b>PVDF 70 / 30</b> (2-coats)	25 +/- 3 μm (Nominal 25 μm)	10 – 35 GE	≥ 1 T	≤ 2 4000 h	≥ 80 GE 4000 h	class 3 1000 h	≥ F (8)	30 / 10 years zone A
<b>BEMO-FLON FEVE</b> (2-coats (FluroEthyl Vinyl Ether)	25 +/- 3 μm (Nominal 25 μm)	10 – 90 GE	≥ 1,5 T	≤ 2 4000 h	≥ 80 GE 4000 h	class 3 1000 h	≥ HB-F (7)	30 / 10 years zone A
<b>BEMO-FLON FEVE</b> (3-coats (FluroEthyl Vinyl Ether)	40 +/- 5 μm (Nominal 25 μm)	10 – 90 GE	≥ 1,5 T	≤ 2 4000 h	≥ 80 GE 4000 h	class 3 1000 h	≥ HB-F (7)	40 / 10 years zone A

\* Intensiv colours 2000 h

\*\* Flexibility of the finish coat. The hardness of the base material is decisive for cracking.

OTHER FEATURES OF THE SYSTEMS							
	adjustment of colours *	Repaint / Touch Up *	Resistance in standing water *	Availability for BEMO products in aluminum			costs
				standing seam	composite panel	panel façades	
<b>POLYESTER</b>	3	3	2	Y	N	Y	€
<b>BEMO-FLON PROTECT</b>	5	4	2	Y	Y	Y	€€
<b>PVDF</b>	2	1	2	Y	N	Y	€€€
<b>BEMO-FLON FEVE</b>	5	5	4 (hydrophob)	Y	Y	Y	€€€

Rating scale: 5 = very good, 1 = poor

All statements without guarantee

The values of the technical data sheets of the respective coating systems apply.

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