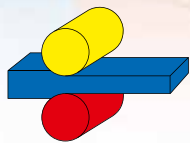




termolac[®]

Individually powder-coated
aluminium sheets and coils

☛ Exclusively available by ☛



HARTMANN

— www.hartmann-metalle.de —

termolac[®] – Excellent bending properties ...

The special powder coating process optimises the final product's material properties in terms of resistance and machining.

The core concept is the unique continuous production process. Metal sheets and coils can be coated at speeds of up to 15 metres per minute on one of the world's fastest painting lines! This also means that heat only acts for a short period on the material to be coated. This has the benefit that the structural properties of the aluminium are not affected.

One of the most impressive of all the outstanding properties is the fact that termolac[®] sheets with a bending radius of $1 = t$ (180 degrees) can be shaped **without any cracks** developing in the coating layer. And that applies to sheets with material thicknesses of up to 3.00 mm!

ADVANTAGES

Perfect bendable up to 180 degrees with an internal bending radius of $t = 1$

Excellent flatness thanks to the painting process

Perfect colour match for individually powder-coated profiles, identical structure

Unlimited range of colours (RAL, NCS, Pantone and others)

Can be used in any direction

No suspension holes – full area of sheets can be used

Reverse side of each sheet labelled for 100% traceability

Fire resistance class A2 – non-flammable

UV-resistant protective film always applied on one side

Exceptional weather resistance with up to 10-year warranty

No minimum order quantity

Available from stock!

PREPAINTED ALUMINIUM SHEETS

Individually polyester powder coated



	RAL 9016 Verkehrsweiss	RAL 9010 Reinweiss	RAL 9007 Graualuminium	RAL 9006 Weißaluminium	RAL 9005 Tiefschwarz (auch in matt)	RAL 9002 Grauweiß	RAL 9001 Cremeweiß	RAL 8077 Ähnlich Dunkelbronze	RAL 8019 Graubraun	RAL 8014 Sepiabraun	RAL 7037 Staubgrau	RAL 7035 Lichtgrau	RAL 7024 Graphitgrau	RAL 7022 Umbragrau	RAL 7021 Schwarzgrau	RAL 7016 Anthrazitgrau (auch in matt)
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1,0 x 1000 x 2000	•	•	•													
1,0 x 1250 x 2500	•	•	•	•												•
1,0 x 1500 x 3000	•	•	•	•						•						•
1,0 x 1500 x 4000	•															
1,5 x 1000 x 2000	•	•	•	•			•									•
1,5 x 1250 x 2500	•	•	•	•			•	•				•				•
1,5 x 1500 x 3000	•	•	•	•	•,m	•	•	•	•	•		•	•	•	•	•,m
1,5 x 1500 x 4000	•	•	•	•			•	•	•			•	•		•	•,m
1,5 x 1500 x 6000	•															
1,5 x 1600 x 3000	•	•														
1,5 x 1600 x 4000	•															
1,5 x 1600 x 6000	•															
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2,0 x 1000 x 2000	•	•	•	•								•	•			•
2,0 x 1000 x 3000		•														
2,0 x 1250 x 2500	•,b	•	•	•		•	•	•				•	•			•
2,0 x 1500 x 3000	•,b	•,b	•	•	•,m	•	•	•	•	•	•	•	•	•	•	•,m
2,0 x 1500 x 3500	•															
2,0 x 1500 x 4000	•	•	•	•	•		•	•				•	•		•	•,m
2,0 x 1500 x 5000	•		•	•												•
2,0 x 1500 x 6000	•		•	•												•
2,0 x 1600 x 3000	•		•	•												•
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2,0 x 2000 x 3000	•															
2,0 x 2000 x 4000	•	•														
3,0 x 1000 x 2000	•															
3,0 x 1250 x 2500	•															
3,0 x 1500 x 3000	•	•		•												
3,0 x 1500 x 4000	•															

b: Also available coated on both sides

m: Also available in matt

Product description

Alloy	EN AW 5005A H24 (façade plan)
Coating thickness	Mind. 60 µm
Gloss level	Matt or gloss
Protective film	80 µm UV-resistant, front white reverse black

Our pre-painted powder-coated aluminium sheets are suitable for a wide range of uses, benefit from a specially developed powder coating and are laminated with UV-resistant film. As long as the relevant processing recommendations are followed, the sheets can be drilled, cut and also bent with an internal bending radius equivalent to the thickness of a single sheet without being damaged. The use of specially selected raw materials such as powder coatings that contain no heavy metals results in good light and weather resistance.

Available from stock!

PREPAINTED ALUMINIUM SHEETS

Individually polyester powder coated

termolac®

	RAL 7015 Schiefergrau	RAL 7012 Basaltgrau	RAL 7011 Eisengrau	RAL 6005 Moosgrün	RAL 5010 Enzianblau	RAL 3000 Feuerrot	RAL 1021 Rapsgebl	DB 703	DB 702	DB 701
1,5 x 1250 x 2500								•		
1,5 x 1500 x 3000	•	•	•	•	•			•	•	•
1,5 x 1500 x 4000	•									
2,0 x 1000 x 2000								•		
2,0 x 1250 x 2500					•		•	•	•	
2,0 x 1500 x 3000	•	•	•	•	•	•		•	•	•
2,0 x 1500 x 4000					•			•	•	
2,0 x 1600 x 3000								•		
2,0 x 1600 x 4000								•		



termolac® – highly versatile!



Constant quality controls ensure the highest demands are met.



Excellent formability



Outstanding bending quality – $t = 1$ with a material thickness of up to 3.0 mm!



No cracking once coated

Individual horizontal powder coating ensures an absolutely constant layer thickness and thus perfect bending quality!




termolac® – individually powder-coated rolled products of the highest quality

PRODUCT INFORMATION

Product description	termolac® is a coating process in which aluminium sheets undergo individual horizontal coating with high-quality polyester powder in a continuous process.
Application	Outdoor: Cladding, windowsills, vehicle components, billboards, housings, etc. Indoor: Wall panelling, ceiling panels, coverings, etc.
Bending properties/Bending radius (ECCA T1)	Can be bend up to 180 degrees with an internal bending radius of 1 = t
Alloys	predominantly EN AW 5005 / 5005 A Coating of 1 and 3 series also possible (no limitation)
Temper	H 42 / H 44 / H 111 acc. to EN 1396
Top side	Polyester powder termolac® , for indoor and outdoor application
Coating thickness (ISO 2360, ECCA T1)	70 +/- 10 µ
Gloss level measured at viewing angle of 60° (ISO 2813 ECCA T2)	85 % +/- 5% glossy (71 – 100) Alternative gloss levels (matt 0 – 30 / silk matt 31 – 70) and/or other surface textures possible on request
Reverse side	Chromated with trivalent connection (RoHS-compliant)
Protective film	PE 80 µ, UV resistant, black-white with termolac® logo
Adhesion (ISO 2409, ECCA T6)	GT 0
Buchholz hardness test (ISO 2815, ECCA T 12)	90
Erichsen cupping test (ISO 1520)	6 – 12 mm
Impact test (without cracking – ECCA T5)	10 Nm
Corrosion resistance (salt spray test – ISO 9227)	1.000 h, 0 – 16 mm ²
Fire resistance (NF EN 13501-1)	A2s1d0 – non-flammable
Dimensions	Thickness: 0,8 – 3,0 mm; Width up to 2.000 mm, Length up to 6.000 mm
Colour range	All RAL, NCS, RDS and Pantone chart colours; other colours following sampling
Factory certification	Qualicoil, (for every order if required)
Traceability	Stamp on reverse side of sheets ensures batch traceability

In addition to **termolac**[®], we stock many other aluminium semi-finished products:

 PVDF – fluoropolymer-coated
façade sheets

Aluminium in stainless steel look

Anodised sheets and coils

Mill finished sheets and coils

Patterned sheets

Customized profiles (mill finished & coated)

Standard profiles (mill finished & coated)

Photovoltaics

... and many other non-ferrous metals

W. Hartmann & Co. (GmbH & Co. KG)
info@hartmann-metalle.de | www.hartmann-metalle.de

Möllner Landstr. 107
D-22113 Oststeinbek
Germany

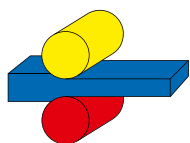
Phone +49 (0) 40 71 30 24-61
Fax +49 (0) 40 71 30 24-49

Hornstraße 26
D-45964 Gladbeck
Germany

Phone +49 (0) 20 43 40 05-0
Fax +49 (0) 20 43 40 05-11

Benzstraße 5
D-89155 Erbach
Germany

Phone +49 (0) 71 35 93 77-36
Fax +49 (0) 71 35 93 77-57



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Semi-finished metals **1925**
SINCE