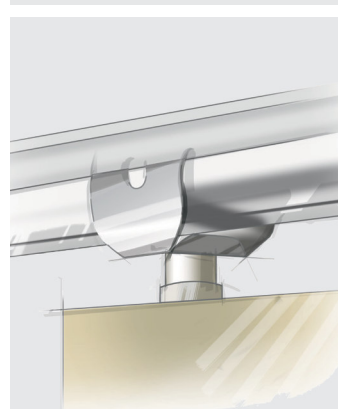
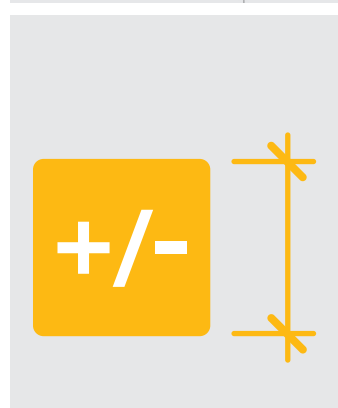
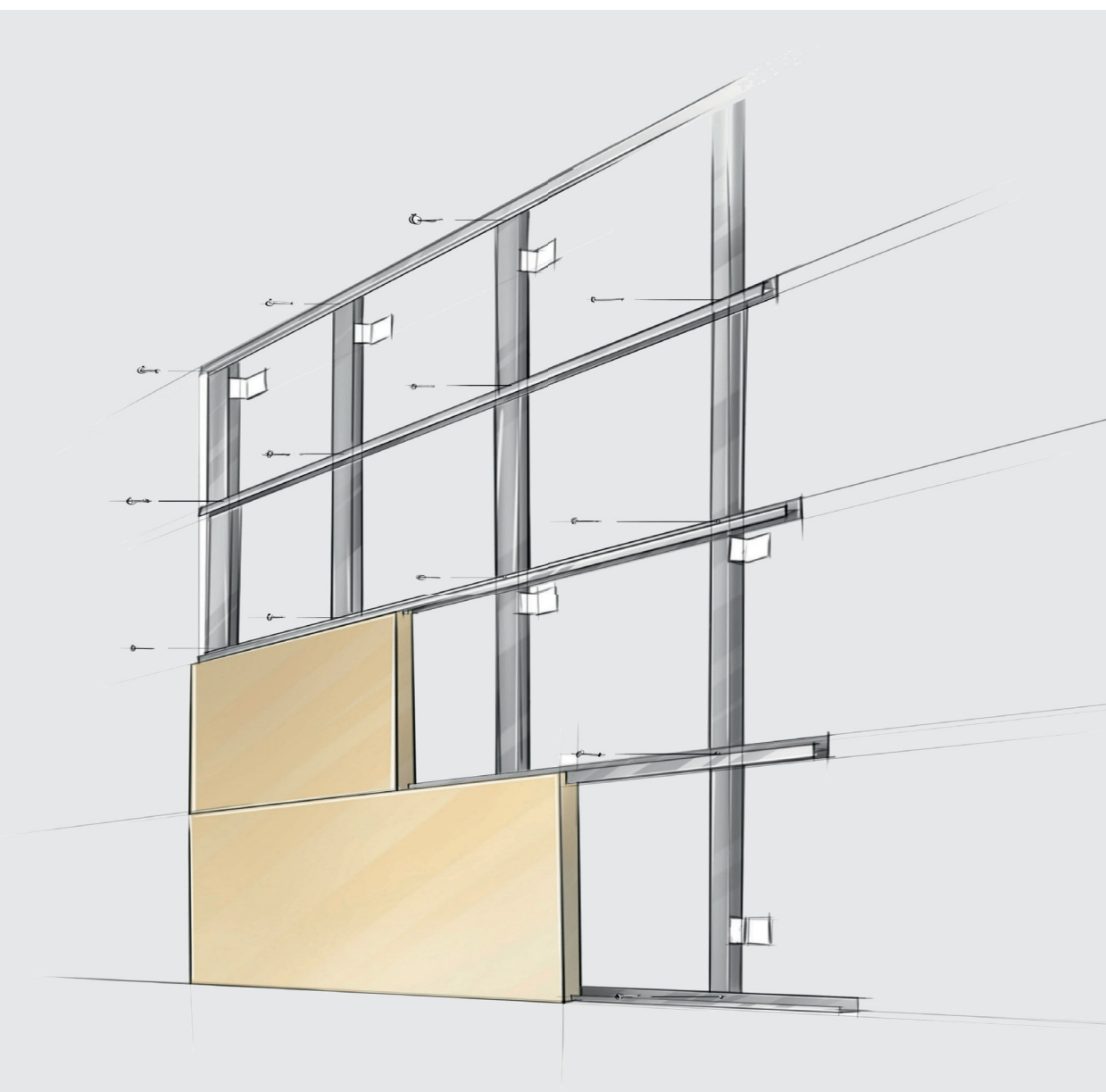




Heradesign®

Product data

Heradesign® *superfine*



Product data

Heradesign® *superfine*

Single layer magnesite-bonded wood wool acoustic panel (Fibre width 1 mm).

With high quality surface structure, building biology recommended.

Colour variants

The natural characteristic structure of the wood wool is ideally suitable as a surface for creative colour schemes. An almost unlimited range of colours is available - almost any colour from popular colour systems such as RAL or NCS, may be selected.

Nominal dimensions [mm]	600 x 600, 625 x 625, 1200 x 600, 1250 x 625		
Thickness [mm]	15	25	35
Weight [kg/m ²]	7.8	11.3	15.0
Sound absorption value α_w up to 1.00			
Reaction to fire according to DIN 13501-1: B-s1, d0			
Designation code: WW-EN 13168-L3-W2-T2-S3-P2-CS(10)200-CI3			
General Building Authority Approval: Z-23.15-1562			
Declaration of performance No.: KA-0698-HADSF-13-01			
Declaration of performance under www.knaufamf-dop.com			

White similar to RAL 9010	beige Natural tone 13	Pastel colours	Solid colours	Metallic colours	Special colours
●	●	●	●	●	●

Areas of application

As decorative and acoustically effective sub-ceiling and wall cladding for use in interior rooms and roofed outdoor areas, which are not exposed to direct environmental influences such as rain or pollutants.

Limitations of use

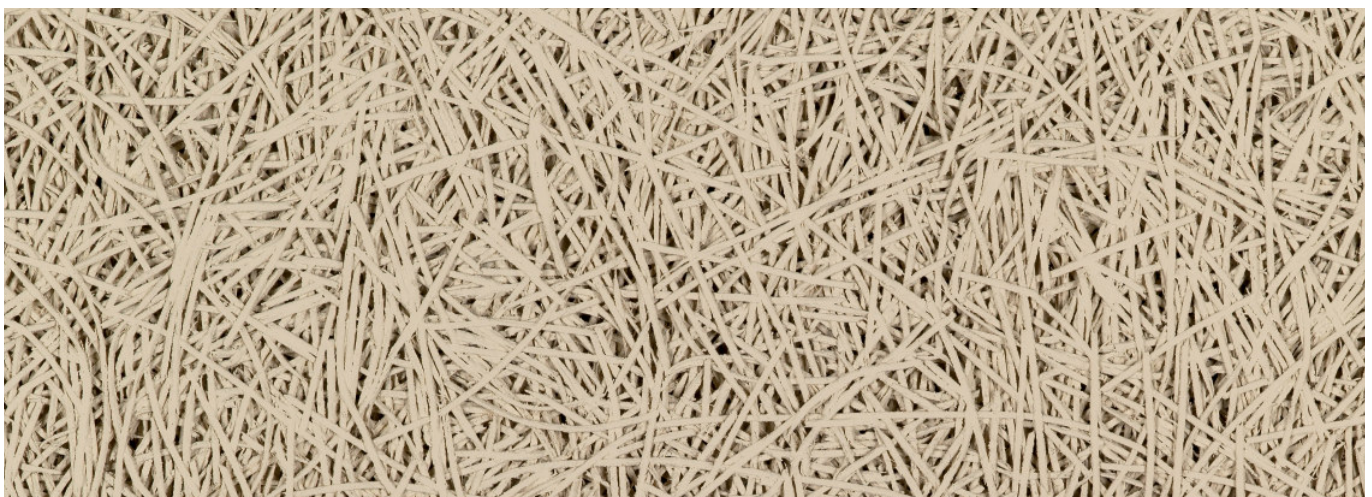
- Maximum span 625 mm!
- Suitable for rooms with a constant humidity of up to 90%. For applications where there is a constant humidity in excess of 80% construction physics advice is recommended!

Installation

Installation of Heradesign acoustic panels is part of the interior fitting of the building and must only be carried out under conditions of controlled humidity and temperature. All building activities which create dust must be completed before the start of installation. Store the panels flat and protect against moisture and dirt. The packaging does not protect the products against rain! Also note the relevant application, installation and storage guidelines for Heradesign acoustic panels.

Special information

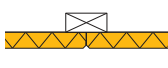
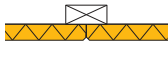
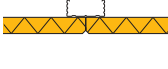

- Deviations in colour from the edge colour and colour perception are possible due to the rough surface of the fibres or the surface of the panel.
- Manufacturing tolerances in nominal dimensions: T2: ± 1 mm
- Max. changes in dimension in standard climate 23° C/50 % rel. humidity: ± 1 %
- Edge design AK-01

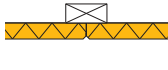
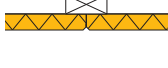
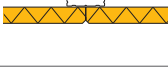




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Overview of test reports

Ball impact resistance as per DIN 18 032 / Part 3

Ceiling					
Construction / Test specimen	Description	Test institute	Test report No.	Result	
	Thickness: 25 mm Format: 1250 x 625 Edge: AK-01	Screw-mounting, lengthways mounting Lath dimensions 60 x 30 mm Distance between centres ≤ 625 mm Fastening: 6 pcs. / panel Heradesign screws	Forschungs- und Materialprüfanstalt Baden-Württemberg, FMFA Stuttgart	902 7763 000/1/Sc/Whr	"Ball impact proof" as per DIN 18 032/ Part 3 or Class 1A as per EN 13964 Annex D
	Thickness: 25 mm Format: 1250 x 625 Edge: AK-01	Screw-mounting Lath dimensions 60 x 30 mm Distance between centres ≤ 625 mm Fastening: 9 pcs. / panel Heradesign screws	Forschungs- und Materialprüfanstalt Baden-Württemberg, FMFA Stuttgart	902 6000 000/3/Sc/Whr	"Ball impact proof" as per DIN 18 032/ Part 3 or Class 1A as per EN 13964 Annex D
	Thickness: 35 mm Format: 1250 x 625 Edge: AK-01	Screw-mounting CD profile 27 x 60 x 0.6 mm Distance between centres ≤ 625 mm Fastening: 9 pcs. / panel Heradesign screws	Forschungs- und Materialprüfanstalt Baden-Württemberg, FMFA Stuttgart	902 6000 000/27/Sc/Whr	"Ball impact proof" as per DIN 18 032/ Part 3 or Class 1A as per EN 13964 Annex D
	Thickness: 35 mm Format: 1250 x 625 Edge: AK-01	Screw-mounting Lath dimensions 60 x 30 mm Distance between centres ≤ 625 mm Fastening: 9 pcs. / panel Heradesign screws	Forschungs- und Materialprüfanstalt Baden-Württemberg, FMFA Stuttgart	902 6000 000/13/Sc/Whr	"Ball impact proof" as per DIN 18 032/ Part 3 or Class 1A as per EN 13964 Annex D

Wall					
Construction / Test specimen	Description	Test institute	Test report No.	Result	
	Thickness: 35 mm Format: 1250 x 625 Edge: AK-01	Screw mounting, cross grid Lath dimensions 60 x 30 mm Distance between centres ≤ 625 mm Fastening: 9 pcs. / panel Heradesign screws	Materialprüfanstalt Baden-Württemberg, FMFA Stuttgart	902 6000 000/1/Sc/Whr	"Ball impact proof" according to DIN 18 032/Part 3
	Thickness: 35 mm Format: 1250 x 625 Edge: AK-01	Screw mounting, simple laths Lath dimensions 60 x 30 mm Distance between centres ≤ 625 mm Fastening: 9 pcs. / panel Heradesign screws	Materialprüfanstalt Baden-Württemberg, FMFA Stuttgart	902 6000 000/4/Sc/Whr	"Ball impact proof" according to DIN 18 032/Part 3
	Thickness: 35 mm Format: 1250 x 625 Edge: AK-01	Screw mounting, cross grid CD profile 27 x 60 x 0.6 mm Distance between centres ≤ 625 mm Fastening: 9 pcs. / panel Heradesign screws	Forschungs- und Materialprüfanstalt Baden-Württemberg, FMFA Stuttgart	902 6000 000/2/Sc/Whr	"Ball impact proof" according to DIN 18 032/Part 3
	Thickness: 35 mm Format: 1250 x 625 Edge: AK-01	Screw mounting, simple laths CD profile 27 x 60 x 0.6 mm Distance between centres ≤ 625 mm Fastening: 9 pcs. / panel Heradesign screws	Forschungs- und Materialprüfanstalt Baden-Württemberg, FMFA Stuttgart	902 7254 000/3/Sc/Whr	"Ball impact proof" according to DIN 18 032/Part 3
	Thickness: 35 mm Format: 1250 x 625 Edge: SY-02	Heradesign holding profiles Basic profile: Distance between centres 900 mm Support profile: Distance between centres 625 mm	Forschungs- und Materialprüfanstalt Baden-Württemberg, FMFA Stuttgart	902 7254 000/8/Sc/Whr	"Ball impact proof" as per DIN 18 032/Part 3

Overview of test reports

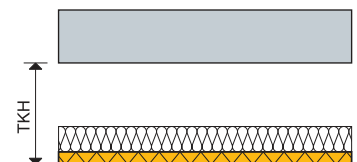
Sound absorption values

Test specimen					Test report			Sound absorption coefficient α									Class
Panel type	Thickness [mm]	TKH ¹⁾ [mm]	Lining		Test institute/ Country	No.	Date	Frequencies (Hz), α_p						entire range			
			[mm]	Type ²⁾				125	250	500	1000	2000	4000	NRC ³⁾	α_w		
without lining																	
Heradesign superfine	15	15	0	---	SRL	6023	15.03.10	0.05	0.10	0.25	0.45	0.90	0.80	0.40	0.30 (H)	D	
Heradesign superfine	15	45	0	---	A/TGM Vienna	TM TGM 10656_12	18.06.03	0.05	0.15	0.35	0.70	0.65	0.70	0.45	0.40 (MH)	D	
Heradesign superfine	15	300	0	---	A/TGM Vienna	TM TGM 10656_4	18.06.03	0.35	0.55	0.45	0.50	0.60	0.75	0.55	0.50 (LH)	D	
Heradesign superfine	25	25	0	---	SRL	5999	01.03.10	0.05	0.15	0.30	0.75	0.95	0.75	0.55	0.35 (MH)	D	
Heradesign superfine	25	55	0	---	A/TGM Vienna	TM TGM 10575/ WS_05	23.09.02	0.10	0.20	0.45	0.70	0.55	0.75	0.50	0.45 (MH)		
Heradesign superfine	25	85	0	---	A/TGM Vienna	TM TGM 11233_3	15.12.08	0.10	0.30	0.75	0.70	0.65	0.80	0.60	0.60 (H)		
Heradesign superfine	25	125	0	-	Fraunhofer IBP	TM P-BA 118/2009	15.12.09	0.15	0.40	0.80	0.70	0.70	0.80	0.65	0.65 (H)		
Heradesign superfine, screw mounted	25	200	0	---	SRL	5990	01.03.10	0.25	0.65	0.70	0.60	0.75	0.90	0.70	0.70 (H)	C	
Heradesign superfine, inlay mounted	25	200	0	---	SRL	5991	01.03.10	0.25	0.70	0.75	0.60	0.75	0.95	0.70	0.70 (H)	C	
Heradesign superfine	25	300	0	---	A/TGM Vienna	TM TGM 10575/ WS_03	06.11.02	0.30	0.50	0.40	0.50	0.65	0.75	0.55	0.50 (H)	C	
Heradesign superfine	25	600	0	---	MBBM	TM M84 565_82	27.05.11	0.55	0.40	0.50	0.60	0.70	0.90	0.55	0.60 (H)	C	
Heradesign superfine	35	35	0	---	SRL	6020	15.03.10	0.10	0.25	0.55	1.00	0.80	0.95	0.65	0.55 (MH)	D	
Heradesign superfine	35	65	0	---	TGM	TM TGM 10656_8	18.03.03	0.10	0.25	0.55	0.80	0.65	0.85	0.55	0.55 (MH)	D	
Lined with Mineral Wool																	
Heradesign superfine	15	45	30	DP-5	A/TGM Vienna	TM TGM 10656_11	18.06.03	0.10	0.45	0.90	0.95	0.80	0.85		0.75	C	
Heradesign superfine	15	300	40	DP-5	A/TGM Vienna	TM TGM 10656_3	18.06.03	0.65	0.85	0.90	0.90	0.85	0.85		0.90	A	
Heradesign superfine	25	50	25	DP-9	SRL	6003	01.03.10	0.10	0.55	1.00	1.00	0.85	1.00	0.85	0.85 (H)	B	
Heradesign superfine	25	50	30	DP-9	MBBM	TM M84 565/76	20.05.11	0.20	0.70	1.00	0.95	0.85	0.95	0.90	0.90	A	
Heradesign superfine, screw mounted	25	200	25	DP-9	SRL	5994	01.03.10	0.45	0.95	1.00	1.00	0.95	1.00	1.00	1.00	A	
Heradesign superfine	25	55	30	DP-5	A/TGM Vienna	TM TGM 10575/ WS_06	23.09.02	0.15	0.50	0.95	0.90	0.80	0.90	0.80	0.80	B	
Heradesign superfine	25	85	30	DP-4	A/TGM Vienna	TM TGM 11233_21	15.12.08	0.30	0.75	1.00	0.85	0.85	0.95	0.85	0.90	A	
Heradesign superfine	25	300	40	DP-5	A/TGM Vienna	TM TGM 10575/ WS_02	23.09.02	0.70	0.90	0.90	0.90	0.80	0.95	0.90	0.90	A	
Heradesign superfine	25	200	50	DP-5	SRL	6004	01.03.10	0.60	1.00	1.00	1.00	0.90	1.00	1.00	1.00	A	
Heradesign superfine	25	85	50	DP-5	A/TGM Vienna	TM TGM 11233_2	15.12.08	0.35	0.90	0.95	0.85	0.90	0.90	0.95	0.90	A	
Heradesign superfine	25	125	60	DP-4	A/TGM Vienna	TM TGM 11233_15	15.12.08	0.55	1.00	1.00	0.95	0.90	0.95	0.95	0.95 (L)	A	
Heradesign superfine	25	200	100	DP-5	MBBM	TM M84 565_81	27.05.11	0.85	1.00	1.00	0.85	0.85	1.00	0.95	0.90 (L)	A	
Heradesign superfine	25	225	200	DP-5	MBBM	TM M84 565/13	28.01.10	0.85	0.95	1.00	0.90	0.90	0.95	0.95	0.95	A	
Heradesign superfine + 43 μ m PE film	25	225	200	DP-5	MBBM	TM M84 565/14	28.01.10	0.70	0.80	0.95	0.95	0.95	0.95	0.90	0.95	A	
Heradesign superfine -30 mm air + 43 μ m PE film + mineral wool	25	255	200	DP-5	MBBM	TM M84 565/17	28.10.10	0.85	0.95	1.00	0.85	0.90	0.90	0.95	0.90 (L)	A	
Heradesign superfine + 0.47 mm hygrodiode	25	225	200	DP-5	MBBM	TM M84 565/15	28.01.10	0.60	0.75	0.90	0.90	1.00	0.85	0.90	0.95	A	
Heradesign superfine - 30 mm air+ 0.47 mm hygrodiode + mineral wool	25	255	200	DP-5	MBBM	TM M84 565/18	28.01.10	0.85	0.95	0.90	0.90	0.85	0.90	0.90	0.90 (L)	A	
Heradesign superfine	25	600	40	DP-5	MBBM	TM M 84 565_83	27.05.11	0.70	0.80	0.90	0.90	0.85	1.00	0.82	0.90	A	
Heradesign superfine	35	100	30	DP-5	MBBM	TM M84 565_79	27.05.11	0.30	0.95	1.00	0.75	0.90	0.90	0.9	0.85 (L)	A	
Heradesign superfine	35	65	30	DP-5	TGM	TM TGM 10656_06	18.06.03	0.15	0.60	0.95	0.90	0.85	0.95		0.85	B	
Heradesign superfine	35	200	40	DP-5	SRL	6030	15.03.10	0.65	1.00	1.00	0.95	1.00	0.95	1.00	1.00	A	
Heradesign superfine	35	300	40	DP-5	TGM	TM TGM 10656_01	18.06.03	0.70	0.90	0.90	0.90	0.90	1.00		0.90	A	

¹⁾ TKH: Total construction height: Lower edge of ceiling to lower edge of Heradesign acoustic panel

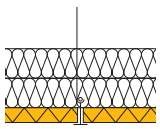
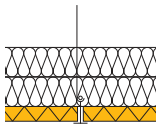
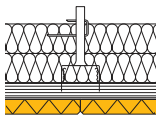
²⁾ Type: DP-4: Gross density= 40 kg/m³
 DP-5: Gross density = 50 kg/m³
 DP-9: Gross density = 90 kg/m³

³⁾ NRC value: Average α_s over the frequencies (250 + 500 + 1000 + 2000):4, rounded to the next increment 0.05

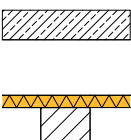
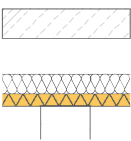


Overview of test reports

Fire resistance duration

Construction	Description	Classification	Evidence	Technical data sheet
	Heradesign superfine, 25 mm Construction: in T grid system, inlay mounted, suspended, with Heralan DP-5 covering, $d \geq 2 \times 50$ mm	EI 30 (a←b)	Test Report No. MA39-VFA 2004-1945.01 (A)	TM 11/10
	Heradesign superfine, 25 mm Construction: in T grid system, inlay mounted (SK-04), suspended, with Heralan DP-5 covering, $d \geq 2 \times 50$ mm	EI 30 (a←b)	Test certificate VFA 2004 - 1945.01 MA 39 Vienna A	TM 22/10
	Heradesign superfine, 25 mm Construction: screwed to 60x27x0.6 CD profiles and suspended with 2 x 50 mm DP-9 covering	EI 30 (a←b)	Test Report No. 3144/897/09 MPA Braunschweig, Germany	TM 02/ 10

Standard flank noise level difference as per DIN EN ISO 10848-2:2006

Construction	Description	Classification	Evidence	Technical data sheet
	Heradesign fine, 25 mm in T-section system as inlay mounting, 700 mm suspended, without covering and without absorber panel in the partition wall area	$D_{n,f,w} = 18$ dB	P-BA 139-2009 Date: 15.12.2010	TM-SA-01
	Heradesign fine, 25 mm in T-section system as inlay mounting, 700 mm suspended, with Heralan DP-5 covering, 40 mm and without absorber panel in the partition wall area	$D_{n,f,w} = 30$ dB	P-BA 138-2009 Date: 15.12.2010	TM-SA-02



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Knauf AMF GmbH & Co. KG
Elsenthal 15, 94481 Grafenau
Germany

Tel.: +49 8552 422-0

Fax: +49 8552 422-32

info@knaufamf.de

www.amfceilings.com

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10/2015

Knauf AMF Deckensysteme GmbH
9702 Ferndorf 29
Austria
Tel.: +43 4245 2001-0
office@heradesign.com
www.heradesign.com

Knauf AMF GmbH & Co. KG
Metallstraße 1, 41751 Viersen
Germany
Tel.: +49 2162 957-0
info-de@knaufamf.eu

Knauf AMF Plafonds et Systèmes
9, rue des Livraindières, 28100 Dreux
France
Tel.: +33 237 3850-50
info@knaufamf.fr

Knauf AMF Ceilings Ltd.
1 Swan Road, South West Industrial Estate,
Peterlee, Co. Durham, SR8 2HS
Great Britain
Tel.: +44 191 5188600
info@knaufamf.co.uk