

## Metal Profiles

### Drywall Partitions, Wall Lining, & Shaftwall

Product-Data-Sheet

04/2026



## Product Description

Knauf metal profiles are precision-engineered, high-quality steel sections that are used to form the metal substructure of the Knauf Drywall Systems. All metal sections produced from high-grade hot dip galvanized steel coils with the cold-rolled forming process in Knauf United Arab Emirates.

### The main design criteria's for Knauf metal sections are:

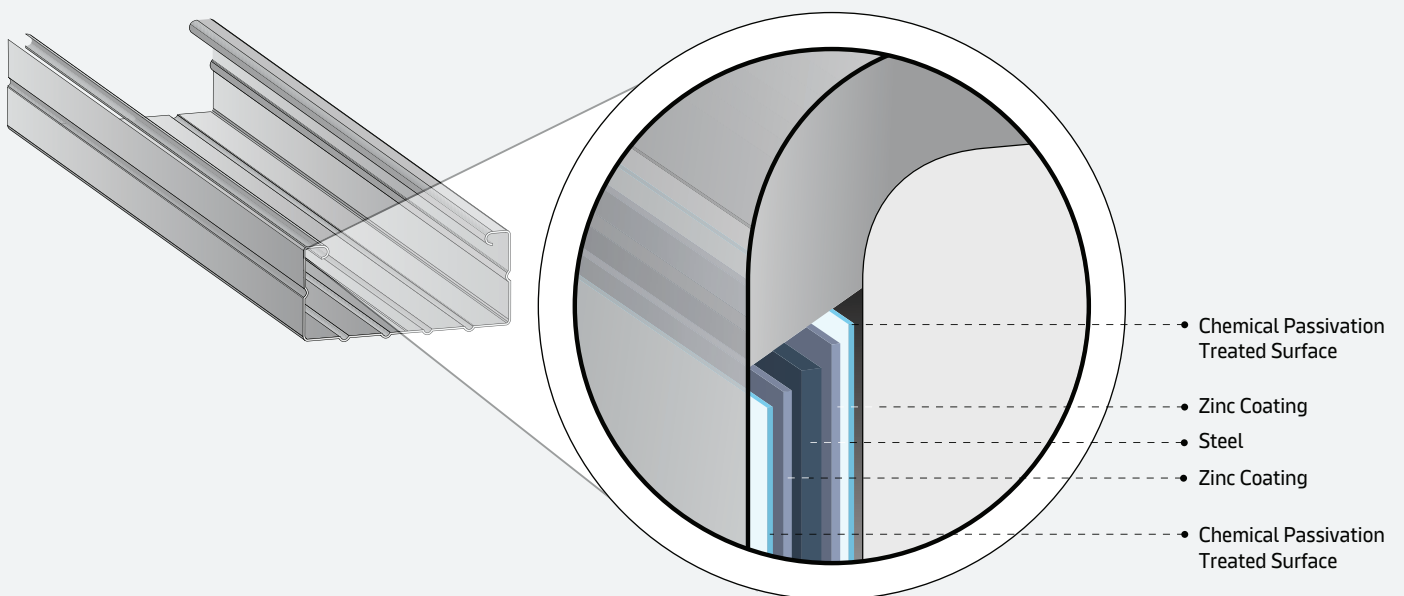
- **Quality:** Knauf works with ISO 9001 certified raw material suppliers to guarantee its steel quality. High grade hot dip galvanized zinc coating (min. Z180 class) provides maximum protection against corrosion.
- **Sustainability:** Knauf is committed to environmental excellence, ensuring its production facilities and raw material partners adhere to ISO 14001:2015 standards for Environmental Management
- **Simplicity:** Minimum amount of accessories and 'twist to fit' studs and channels are designed to make the installer's job as simple as possible.
- **Compatibility:** Knauf metal sections are specially designed to work and perform together with Knauf gypsum boards and accessories to create complete, tested and certified systems
- **Variety:** A wide range of sizes and options allows designers to find solutions that exactly match their requirements.
- **Transparency:** All dimensions, thicknesses, lengths, coating, production dates, date & timing, country of origin, & manufacturing standard is printed.

## Metal Profiles Raw Material Specification

<b>Steel</b>	<b>Quality Classification</b>	:	DX51D+Z180 as per EN 10327: 2004
	<b>Yield Strength</b>	:	295 Mpa
	<b>Tensile Strength</b>	:	345Mpa
	<b>Elongation in 80mm</b>	:	25%
	<b>Hardness (HRB)</b>	:	64
<b>Protection</b>	<b>Method</b>	:	Hot Dip Galvanization
	<b>Quality</b>	:	98% Zinc (Zn)
	<b>Coating Classification</b>	:	Z180 as per ASTM A653
	<b>Coating Thickness</b>	:	180gr/m <sup>2</sup> both sides 10µ m single side
	<b>Coating Finish</b>	:	Regular Crushed Spangle
	<b>Surface Quality</b>	:	Skin passed
	<b>Surface Treatment</b>	:	Chromated

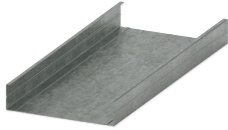
\*Z180 is the standard coating thickness for Knauf Drywall Systems profiles. Higher coating thicknesses are available upon request. Contact Knauf Drywall Systems sales team for availability and delivery times.

## Steel Character



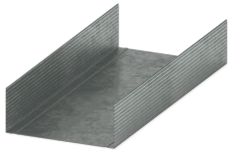
## Metal Sections Application Areas

### Partitions



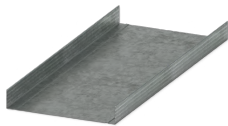
**CW Studs**

*C shaped profiles friction fit at equal distances into the head and base UW channels to form the vertical metal stud frame*



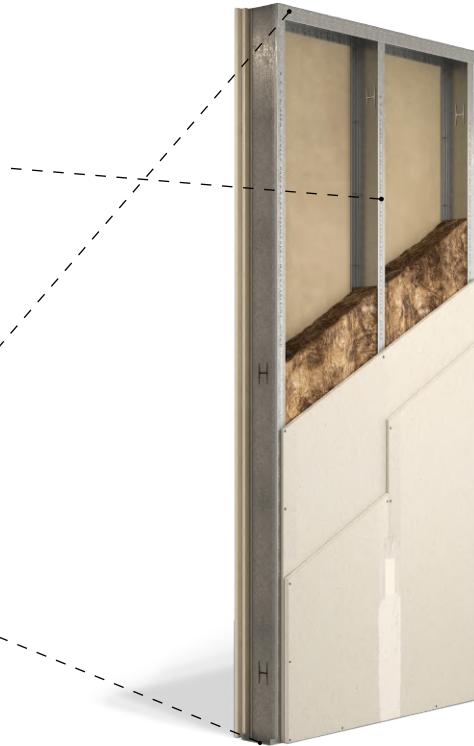
**Deep Flange UW Tracks**

*U-Shaped profiles used to ceiling perimeter form where high deflection tolerance is required*



**UW Tracks**

*U-shaped profiles used for forming the floor and ceiling perimeter frame in drywall partitions*



### Wall Linings



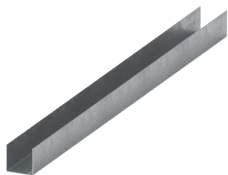
**CD 60/27 Channels**

*C-shaped channels used for vertical framing in Knauf W623 Wall Lining Systems*



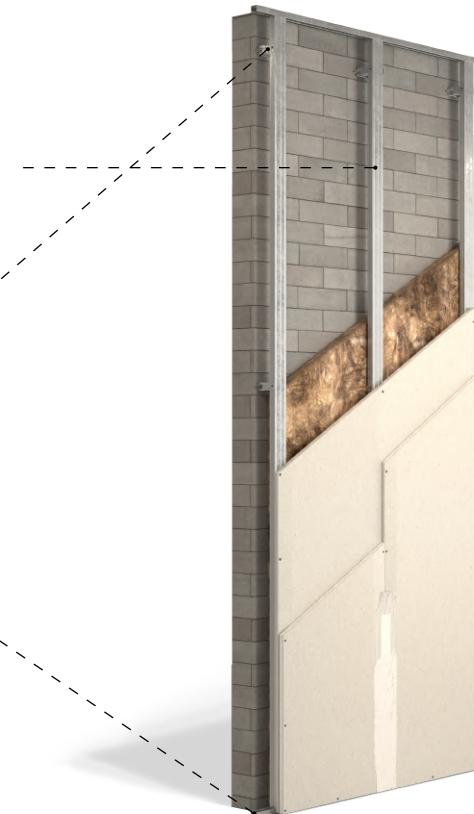
**Universal Bracket**

*An adjustable brackets for Knauf W623 Wall Lining System. Can be cut and bend according to the cavity behind the board.*



**UD 28/27 Channels**

*U-Shaped channels used for perimeter framing for Knauf W623 wall lining systems*



## Shaftwalls



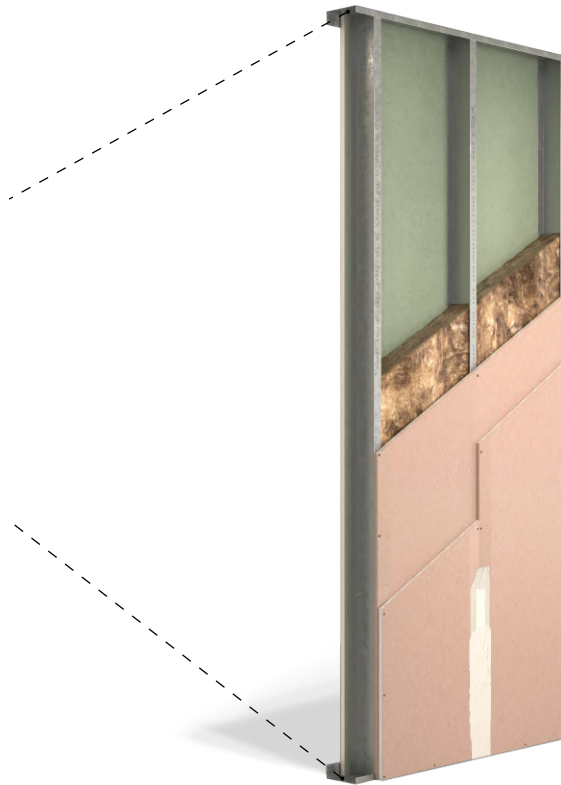
### **J Track**

*J shaped channels used to form the perimeter frame and also vertically for the end of the wall*



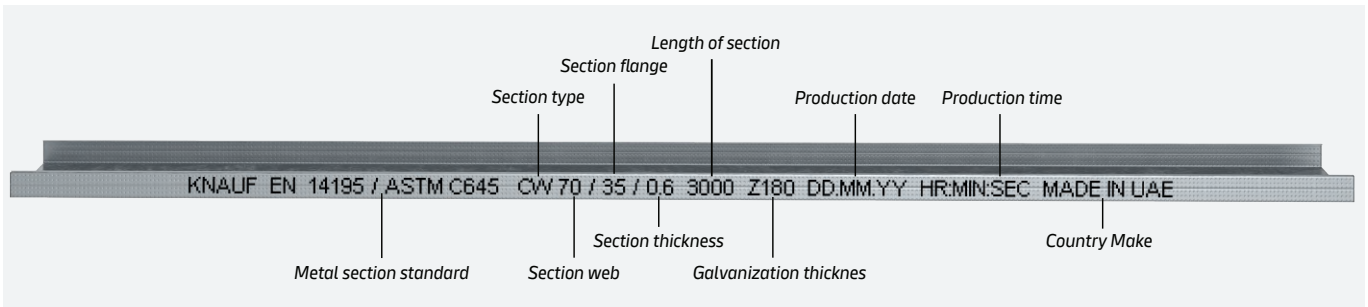
### **C-T Studs**

*C-T shaped heavy duty steel sections used to form the vertical frame*



## How to Identify a Metal Section On-Site

Our commitment to Continuous Quality

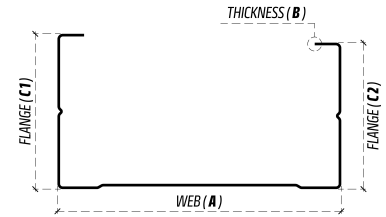


Example use of Knauf metal profiles in partitions

## CW Studs



CW Stud Section



Knauf CW Studs are galvanized lightweight steel sections to be used as vertical stud framing for drywall partitions and wall linings. All CW Studs comply with EN14195 and ASTM C645.

### Features

- ✓ Customized sizes are available for 8 pieces and multiples upon request
- ✓ Asymmetrical flanges allow easy boxing of studs for splicing when necessary
- ✓ Readymade slots through the web for pipe electrical cabling; only for 0.5mm and 0.6mm studs

Material Code	Stud Type	Stud Web (a) (mm)	Stud Thickness (b) (mm)	Stud Flange (c1, c2) (mm)	Stud Length <sup>(1)</sup> (mm)	Weight (kg/m)	Zinc Coating Class <sup>(2)</sup> (g/m <sup>2</sup> )
720286	CW 50 Stud	50	0.5	35/33	3000	0.49	Z180
705995	CW 64 Stud	64				0.55	
700394	CW 70 Stud	70				0.57	
751649	CW 92 Stud	92				0.66	
813738	CW 100 Stud	100				0.69	
700390	CW 152 Stud	152				0.89	
717825	CW 50 Stud	50	0.6	35/33	3000	0.59	Z180
822211	CW 64 Stud	64				0.65	
700573	CW 70 Stud	70				0.68	
700660	CW 92 Stud	92				0.79	
721340	CW 100 Stud	100				0.82	
822224	CW 152 Stud	152				1.07	
793231	CW 50 Stud	50	0.9	35/33	3000	0.88	Z180
602828	CW 64 Stud	64				0.98	
625819	CW 70 Stud	70				1.02	
822217	CW 92 Stud	92				1.18	
822215	CW 100 Stud	100				1.24	
731079	CW 152 Stud	152				1.6	

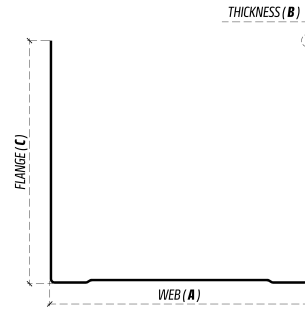
(1): 3000mm is the standard retail sales length of the studs. For customized stud lengths please contact Knauf LLC Sales Team.

(2): Z180 is the standard retail zinc coating thickness sufficient for interior drywall applications. Higher zinc coated stud production also possible. For customized zinc coating requirements please contact Knauf LLC Sales Team.

## UW Tracks



UW Track Section

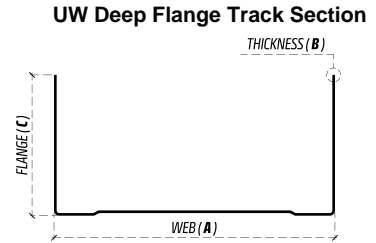
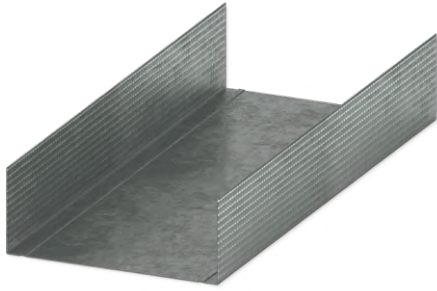


Knauf UW Channels are galvanized lightweight steel sections to be used to compliment vertical stud framing for Knauf W11 partitions and wall linings. All UW Tracks are manufactured in accordance with EN 14195 and ASTM C645.

Material Code	Channel Type	Channel Web (a) (mm)	Channel Thickness (b) (mm)	Channel Flange (mm)	Channel Length <sup>(1)</sup> (mm)	Weight (kg/m)	Zinc Coating Class <sup>(2)</sup> (g/m <sup>2</sup> )
611877	UW 52 Track	52	0.5	32	3000	0.44	Z180
700600	UW 66 Track	66		25		0.44	
707940	UW 72 Track	72		32		0.52	
751650	UW 94 Track	94				0.61	
813757	UW 102 Track	102		25		0.64	
695663	UW 154 Track	154				0.79	
745640	UW 52 Track	52	0.6	32		0.53	
822221	UW 66 Track	66		25		0.53	
717808	UW 72 Track	72		32		0.63	
707611	UW 94 Track	94				0.73	
716290	UW 102 Track	102		25		0.77	
822225	UW 154 Track	154				0.95	
611877	UW 52 Track	52	0.9	32	0.8		
595401	UW 66 Track	66		25	0.8		
822229	UW 72 Track	72		32	0.94		
822216	UW 94 Track	94			1.1		
822223	UW 102 Track	102		25	1.15		
707900	UW 154 Track	154			1.42		

(1): Z180 is the standard retail zinc coating thickness sufficient for interior drywall applications. Higher zinc coated channel production also possible. For customized zinc coating requirements please contact Knauf LLC Sales Team.

## Deep Flange UW Tracks

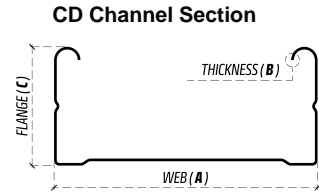


Knauf Deep Flange UW Channels are galvanized lightweight steel sections to be used to compliment vertical stud framing for Knauf W11 partitions and wall linings. All UW Tracks are manufactured in accordance with EN 14195 and ASTM C645.

Material Code	Channel Type	Channel Web (a) (mm)	Channel Thickness (b) (mm)	Channel Flange (mm)	Channel Length <sup>(1)</sup> (mm)	Weight (kg/m)	Zinc Coating Class <sup>(2)</sup> (g/m <sup>2</sup> )
749917	Deep Flange UW 52 Track	52	0.5	60	3000	0.66	Z180
695655	Deep Flange UW 66 Track	66				0.72	
749916	Deep Flange UW 72 Track	72				0.74	
751651	Deep Flange UW 94 Track	94				0.83	
814670	Deep Flange UW 102 Track	102				0.86	
695657	Deep Flange UW 154 Track	154				1.06	
700601	Deep Flange UW 52 Track	52	0.6			0.8	
822210	Deep Flange UW 66 Track	66				0.86	
700637	Deep Flange UW 72 Track	72				0.89	
700636	Deep Flange UW 94 Track	94				0.99	
721341	Deep Flange UW 102 Track	102				1.03	
822227	Deep Flange UW 154 Track	154				1.28	
766902	Deep Flange UW 52 Track	52	0.9			1.19	
707619	Deep Flange UW 66 Track	66				1.29	
822222	Deep Flange UW 72 Track	72				1.34	
821677	Deep Flange UW 94 Track	94				1.49	
831150	Deep Flange UW 102 Track	102				1.55	
725371	Deep Flange UW 154 Track	154				1.91	

(1): Z180 is the standard retail zinc coating thickness sufficient for interior drywall applications. Higher zinc coated channel production also possible. For customized zinc coating requirements please contact Knauf LLC Sales Team.

## CD Channels



CD Channels are galvanized lightweight steel sections to be used as primary/main and secondary/furring channels for Knauf D11 Ceiling Systems and also as furring channels for Knauf W6 23 Wall Lining Systems. Their increased web width allows faster and easier installation and smoother joints. All CD Channels comply with EN14.195.

### Features

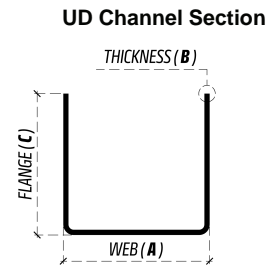
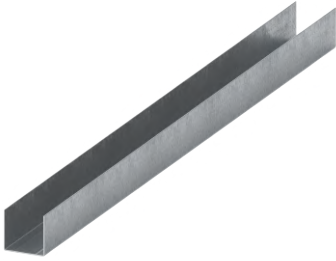
- ✓ Sturdy 0.6 mm sections with full set of compatible accessories.
- ✓ Customized sizes are available for 256 pieces and multiple upon request.
- ✓ Part of a complete ceiling system.
- ✓ Part of KW 623 Wall lining systems.
- ✓ Only one type of channel for main and furring functions.
- ✓ Increased web width for faster/easier installations and smoother joints.

Mat.Code	Stud Type	Channel Web (a) (mm)	Channel thickness (b) (mm)	Channel Flange (c) (mm)	Channel Length <sup>(1)</sup> (mm)	Weight (kg/m)	Zinc Coating Class <sup>(2)</sup> (g/m <sup>2</sup> )
662408	Knauf CD Channel	60	0.6	27	3000	0.58	Z180

(1): 3000mm is the standard retail sales length of the channels. For customized channel lengths please contact Knauf LLC Sales Team.

(2): Z180 is the standard retail zinc coating thickness sufficient for interior drywall applications. Higher zinc coated channel production also possible. For customized zinc coating requirements please contact Knauf LLC Sales Team.

## UD Channel



UD Channels are galvanized lightweight steel sections to be used as perimeter channels for Knauf D11 Ceiling Systems and also W623 Wall Lining Systems.

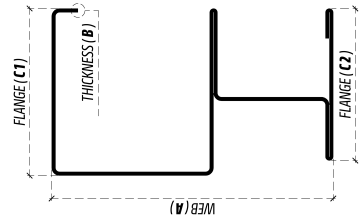
Mat.Code	Stud Type	Channel Web (a) (mm)	Channel thickness (b) (mm)	Channel Flange (c) (mm)	Channel Length <sup>(1)</sup> (mm)	Weight (kg/m)	Zinc Coating Class <sup>(2)</sup> (g/m <sup>2</sup> )
168480	Knauf UD Channel	28	0.6	27	3000	0.360	Z180

(1): Z180 is the standard retail zinc coating thickness sufficient for interior drywall applications. Higher zinc coated channel production also possible. For customized zinc coating requirements please contact Knauf LLC Sales Team.

## CT Shaftwall Stud



CT Shaftwall Stud Section



C-T Studs are high quality galvanized steel sections used in Knauf Shaftwall systems. It's special design allows quick and easy installation of shaftwall constructions from one side only.

### Features

- ✓ Sturdy 0.9 mm steel sections for high performance shaftwalls.
- ✓ Special section designed for easy installation of shaftwall systems from one side only.

Mat. Code	Stud Type	Stud Web (a) (mm)	Stud thickness (b) (mm)	Stud Flange (c1,c2) (mm)	Stud Length(1) (mm)	Weight (kg/m)	Zinc Coating <sup>(2)</sup> Class (g/m <sup>2</sup> )
168504	Knauf C- T 64 Stud	64	0.9	38/35	3000	1.506	Z180
215932	Knauf C- T 102 Stud	102				1.780	
215933	Knauf C- T 152 Stud	152				2.140	

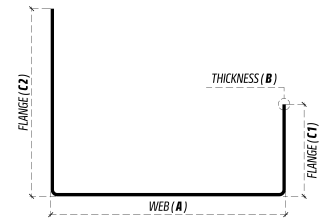
(1): 3000mm is the standard retail sales length of the studs. For customized stud lengths please contact Knauf LLC Sales Team.

(2): Z180 is the standard retail zinc coating thickness sufficient for interior drywall applications. Higher zinc coated stud production also possible. For customized zinc coating requirements please contact Knauf LLC Sales Team.

## Knauf J Shaftwall Track



J Shaftwall Track Section



Knauf J Tracks are high quality galvanized steel sections used as perimeter framing section of the Knauf Shaftwall system.

### Features

- ✓ Sturdy 0.9 mm steel sections for high performance shaftwalls.
- ✓ Pullout tabs located at the web allows easy alignment of Knauf Coreboard during installation.

Mat. Code	Channel Type	Channel Web (a)(mm)	Channel thickness (b)(mm)	Channel Flange (c1,c2)(mm)	Channel Length <sup>(1)</sup>	Weight (kg/m)	Zinc Coating <sup>(2)</sup> Class (2) (g/m <sup>2</sup> )
168505	Knauf J 64 Track	64	0.9	25/51	3000	0.994	Z180
215934	Knauf J 102 Track	102				1.268	
215936	Knauf J 152 Track	152				1.629	

(1): 3000mm is the standard retail sales length of the Tracks. For customized Track lengths please contact Knauf LLC Sales Team

(2): Z180 is the standard retail zinc coating thickness sufficient for interior drywall applications. Higher zinc coated Track production also possible. For customized zinc coating requirements please contact Knauf LLC Sales Team.

## Customer Service

UAE Tel: +971 4 33771700  
8:00 - 17:30 (UAE Time)  
Email:GCCcustomer.care@knauf.com  
Email: GCCtechnical.care@knauf.com

## HQ Address

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Dubai Silicon Oasis  
Dubai, UAE

## Plant Address

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Ras Al Khaimah, U.A.E.  
Tel: +971 7 268 9837  
Fax: +971 7 221 5301

## Plant Address

Plot no - RY-PH02-M3-008  
Raysut - WGS-84-Zone 39  
Salalah Free Zone  
Salalah, Dhofar, Oman



### Observe safety data sheet!

For safety data sheets and CE labelling see  
[www.Knauf.com](http://www.Knauf.com)



Tender texts for all Knauf systems and products with export functions for Word and PDF.



Videos for Knauf systems and products can be found under the following link:  
[youtube.com/knauf](https://youtube.com/knauf)



All information and documents from Knauf GCC are always up-to-date,

## Knauf GCC

Dubai, United arab Emirates

## Hotline

800 - KNAUF(56283)

[www.knauf.com](http://www.knauf.com)

Subject to technical changes. The current edition applies. The information contained herein corresponds to our current state of the art. The generally recognised rules of construction technology, relevant standards, guidelines and trade regulations must be observed by the contractor in addition to the processing instructions. Our warranty relates only to the flawless quality of our material. Consumption, quantity and execution data are empirical values that cannot be transferred without further ado in the event of deviating conditions. All rights reserved. Changes, reprinting and photomechanical and electronic reproduction, even in extracts, require our express authorisation.

The structural, static and physical properties of Knauf systems can only be guaranteed if only Knauf system components or products recommended by Knauf are used.

**Build on us.**