

Metal Profiles

Suspended Ceiling Systems

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 Suspended Ceiling Systems. All metal sections produced from high-grade hot dip galvanized steel coils with the cold-rolled forming process in United Arab Emirates

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

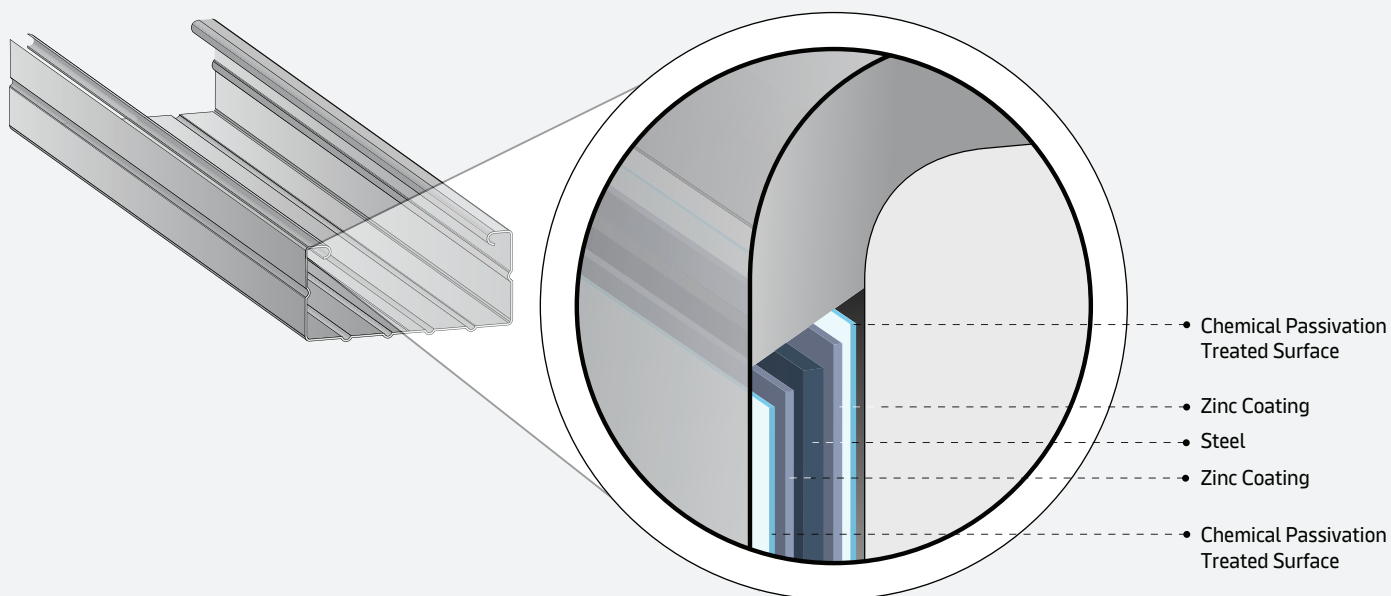
- **Quality:** Knauf only works with ISO 9001 certified raw material suppliers to guarantee its steel quality. High grade hot dip galvanized zinc coating (min. Z140 class) provides required protection against corrosion.
- **Sustainability:** Knauf is committed to environmental excellence, ensuring its 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 ceiling system which complies with EN-BS and another ceiling system which complies with ASTM specifications. Please contact us for other thicknesses & coating options.
- **Transparency:** All dimensions, thicknesses, lengths, coating, production dates, date & timing, country of origin, & manufacturing standard is printed.

Metal Profiles Raw Material Specification

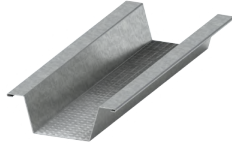
Steel	Quality Classification	:	DX51D+Z140 as per EN 103 27: 2004
	Yield Strength	:	295 Mpa
	Tensile Strength	:	345Mpa
	Elongation in 80mm	:	25%
	Hardness (HRB)	:	64
Protection	Method	:	Hot Dip Galvanization
	Quality	:	98% Zinc (Zn)
	Coating Classification	:	Z140 as per ASTM A653
	Coating Thickness	:	140gr/m ² both sides 10µ m single side
	Coating Finish	:	Regular Crushed Spangle
	Surface Quality	:	Skin passed
	Surface Treatment	:	Chromated

*Z140 is the standard coating thickness for Knauf Suspended Ceiling Systems profiles. Higher coating thicknesses are available upon request. Contact Knauf sales team for availability and delivery times.

Steel Character



Ceilings



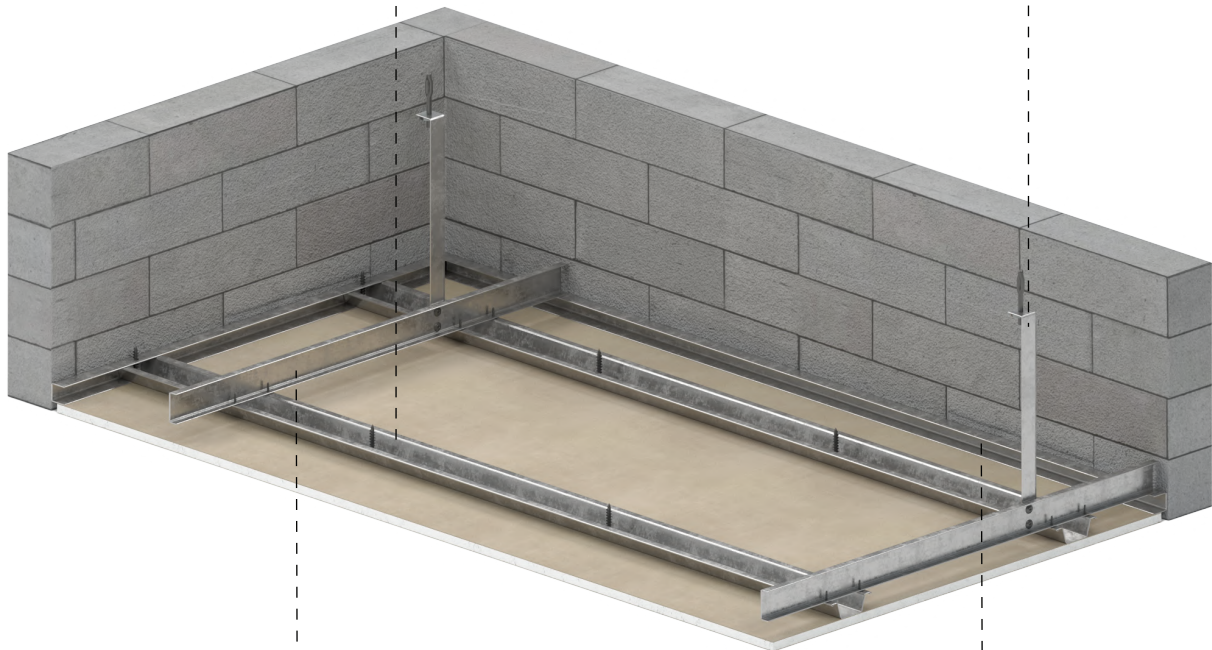
Knauf Hat Furring Channel

Galvanized lightweight steel sections to be used as furring channels for conventional drywall ceiling and wall lining systems.



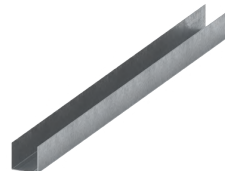
Knauf L Angle Channel

Galvanized lightweight steel section to be used as perimeter framing for conventional drywall ceiling systems



Knauf Main Channel

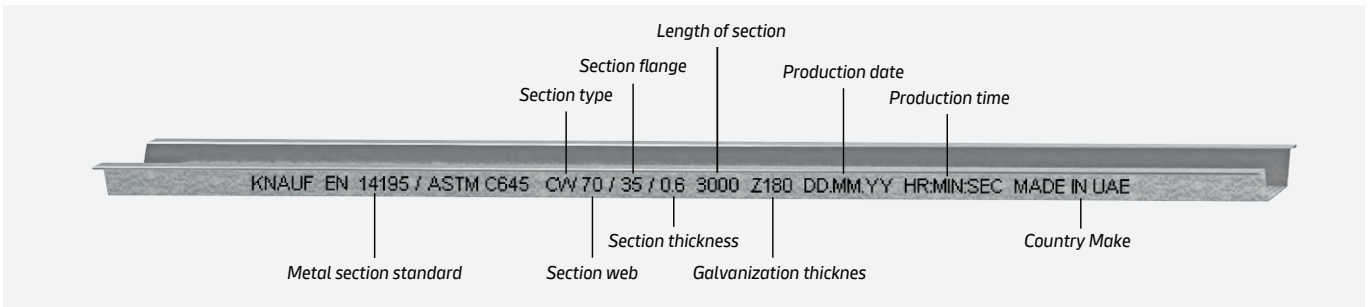
Galvanized lightweight steel section to be used as main channels for conventional drywall ceiling systems



Knauf UD 28/27 Channels

U-Shaped channels used for perimeter framing for Knauf D11 Ceiling systems

How to Identify a Metal Section On-Site

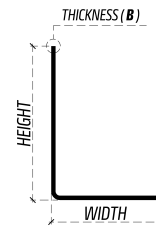


Example use of Knauf metal profiles in partitions

Knauf L-Angle Section



L Angle Section



Galvanized lightweight steel sections to be used as perimeter framings and as hangers for drywall ceiling systems.

Mat. Code	Channel Type	Channel Web (A)(mm)	Channel Thickness (B)(mm)	Channel Flange (C)(mm)	Channel Length (mm)	Weight (kg/m)	Zinc Coating ⁽¹⁾ Class (g/m ²)
450977	Knauf L - Angle Section (25 x 23 x 0.5mm)	25	0.5	23	3000	0.18	140
454987	Knauf L - Angle Section (35 x 25 x 0.5mm)	35		25		0.23	

(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.

Customer Service

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Observe safety data sheet!

For safety data sheets and CE labelling see
www.Knauf.com



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Videos for Knauf systems and products can be found under the following link:
youtube.com/knauf



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

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