





# Knauf Diamant 12.5 / 15 mm

Special gypsum boards for premium drywalling

# **Product Description**

<ul> <li>Rear side marking:</li> <li>Order information</li> </ul>	red
Colour of board liner:	blue
<ul> <li>Board type</li> <li>DIN 18180</li> <li>EN 520</li> </ul>	GKFI DFH2IR

Knauf Diamant 12.5 and 15 mm

Standard Dimensions

- 12.5 x 1200 x 2200 mm
- 15 x 1200 x 2200 mm

Custom dimension are available upon request.

# Storage

Store boards on wooden pallets in a dry environment.

# **Fields of Application**

Knauf Diamant 12.5 / 15mm are used in all fields of interior works as cladding of premium drywall systems with enhanced requirements for sound insulation and fire protection, and in case of special requirements on mechanical resistance, in rooms with moderately high humidity.

#### Systems:

- Ceiling linings and suspended ceilings
- Attic linings
- Metal stud partitions
- Timber stud partitions (non-load bearing)
- Structural wood frame wall panels (load bearing)
- Installation shaft walls
- Room-in-room systems Knauf Cubo

Rooms with moderately high humidity are rooms with a constant relative air humidity of  $\leq$  70% (e.g. domestic bathrooms).

In addition, DIN 1052 and EN 1995 allow the application in structural wood frame wall panels as exterior cladding in the use category 2 (e.g. as substrate for ETICS).

# Properties

- Universal application
- Increased permissible wall heights due to high strength
- High dowel load capacity
- Robust surface
- Impregnated for reduced water absorption
- Good coherence of structure when exposed to fire
- Resilient special gypsum core for high sound insulation
- Easy application
- Non-combustible
- Bending is possible (Knauf Diamant 12.5)
- Folding with mitring is possible
- Low expansion and shrinkage when climate conditions change

# **Technical data**



	GKFI DFH2IR	DIN 18180 EN 520
		EN 520
		EN ISO 10456
	10	
	4	
W/(m-K)	0.30	EN 12664
mm/m	0.005 - 0.008	
mm/m	0.013 - 0.02	
%	≤ 10	EN 520
kg/m <sup>3</sup>	≥ 1000	
kg/m <sup>2</sup>	approx. 12.8	
kg/m <sup>2</sup>	approx. 15.5	
		following
N/mm <sup>2</sup>	≥ 7.5 <sup>1)</sup>	DIN EN 1995-1-1/NA
N/mm <sup>2</sup>	≥ 4,9001)	following
N/mm <sup>2</sup>	≥ 3,9001)	DIN EN 1995-1-1/NA
		EN 520
Ν	≥ 725	
Ν	≥ 300	
Ν	≥ 870	
Ν	≥ 360	
mm Ø	≤15	EN 520
Max. limit for long term temperature exposure: °C		0)
	mm/m mm/m % kg/m <sup>3</sup> kg/m <sup>2</sup> kg/m <sup>2</sup> kg/m <sup>2</sup> N/mm <sup>2</sup> N/mm <sup>2</sup> N/mm <sup>2</sup> N/mm <sup>2</sup> N/mm <sup>2</sup> N/mm <sup>2</sup>	DFH2IR         A2-s1,d0 (B)         10         4         W/(m-K)       0.30         mm/m       0.005 - 0.008         mm/m       0.013 - 0.02         %       ≤ 10         kg/m <sup>3</sup> ≥ 1000         kg/m <sup>2</sup> approx. 12.8         kg/m <sup>2</sup> approx. 15.5         N/mm <sup>2</sup> ≥ 7.5 <sup>1</sup> )         N/mm <sup>2</sup> ≥ 3.900 <sup>1</sup> )         N/mm <sup>2</sup> ≥ 3.900 <sup>1</sup> )         N       ≥ 725         N       ≥ 870         N       ≥ 870         N       ≥ 360         mm Ø       ≤15

#### Notes

#### Application:

Application should be done acc. to the applicable standards and acc. to the Knauf Technical Data Sheets of the respective drywall system.

Use Knauf Diamant Screws HGP for fastening of the boards on metal or timber substructure. Fastening on timber is also possible with staples or nails.

#### Disposal Waste code number (AVV code): 17 08 02 17 09 04

# **Knauf Head Office**

- Phone: +971 4 337 7170
- Fax: +971 4 334 9659
- P.O.Box: 112871, Dubai
- info@knauf.ae

# www.**kNAUF**.ae

#### **Knauf Qatar Branch** P.O.Box 27111 Doha, State of Qatar Tel: +974 4452 8191 Fax: +974 4452 8181

**Knauf Manufacturing Plant** P.O.Box 50006 Ras Al Khaimah, U.A.E. Tel: +971 7 221 5300 Fax: +971 7 221 5301



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