

Product Data Sheet

Knauf Performance Plus Screws



Knauf Performance Plus Screws are carbon steel screws with a manganese phosphate coating. The bugle head with undercutting ring gives versatility of application and a flush counter sunk finish with no paper tearing.

Areas of Application

Designed for single and double layer applications of Knauf Performance Plus board and also Knauf Soundshield Plus boards within Knauf partition systems.

Key Benefits

- Phosphate coated
- Thread insures clean, smooth, low torque instillation.
- Under cutting ring for flat seating
- Sharp point insures wobble free and quick instillation
- PH2 bit

Compliance Standards

EN 14566: 2009 & A1 2009

Performance Data

Reaction to Fire (R2F)	Steel Thickness (mm)	Withdrawal Resistance (ultimate loads in steel substrate (kN)	Withdrawal Resistance (safe working loads in steel substrate (kN)	Withdrawal Resistance Timber C16 Substrate (Kn) (Ultimate Load)	Withdrawal Resistance Timber C16 Substrate (Kn) (Safe Load)	Withdrawal Resistance Timber C16 Substrate minimum Embedment depth (mm)	Tensile Strength (kN)	Ultimate Shear Strength (kN)	Surface Hardness	Core Hardness
A1	0.5	0.8	0.33	2.2	0.73	15	6.5	2.2	535.5 HV 0.3	449.4 HV 0.3
A1	0.7	1.1	0.46	2.2	0.73	15	6.5	2.2	535.5 HV 0.3	449.4 HV 0.3
A1	1.0	1.6	0.56	2.2	0.73	15	6.5	2.2	535.5 HV 0.3	449.4 HV 0.3
A1	1.2	1.8	0.60	2.2	0.73	15	6.5	2.2	535.5 HV 0.3	449.4 HV 0.3

Technical information

Dimensions						
Length (mm)	Nominal Diameter (mm)	Colour	Coating Type	Coating thickness (µm)	Material	Material Number
25	3.9	Black	Manganese Phosphate	5	SAE C1022 low carbon steel	404662
35	3.9	Black	Manganese Phosphate	5	SAE C1022 low carbon steel	404663
45	3.9	Black	Manganese Phosphate	5	SAE C1022 low carbon steel	404664

Sustainability

Recyclability

Fully recyclable

Storage and Handling

Store in dry conditions.

Packaging

Cardboard box in outer cardboard carton.

Disposal/Repair

Disposal should be in accordance with local authority requirements.

Application / Installation

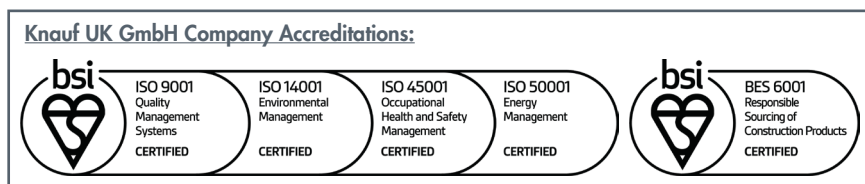
Designed for single and double layer Knauf Performance Plus board and Soundshield Plus boards within Knauf partition systems.

Do not use impact guns, over torquing will break or damage screw, heads and threads.

Additional Documentation

[Declaration of Performance UKCA](#)

[Declaration of Performance CE](#)



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