KNAUF INSULATION
OEM Solutions

www.oem.knaufinsulation.com

KNAUF INSULATION DAP INSULATION PAPER

November 2020

High density / low thickness glass mineral wool insulation products.

DESCRIPTION

Knauf insulation DAP INSULATION PAPER (DAP IP) are high density products, manufactured from high purity glass fibers, specially processed to offer excellent performance in high-temperature applications (maximum service temperature up to 550 °C) where low thickness of insulation is required (standard 2 – 7 mm).

High-tech production technologies ensure uniform fiber distribution and close control of products' thickness and density.

Due to the unique non-woven fibre bonding process, the felts do not contain organic binders. With this special production process we are able to guarantee that no emissions of odorous and/or harmful substances are emitted during the use of appliances even at the highest temperatures.

Standard dimensions

- Thickness: 2 – 7 mm
- Standard roll width: 1,200 mm
- Product dimensions are adapted to customer requirements.

PERFORMANCE

Maximum service temperature

DAP INSULATION PAPER has a maximum service temperature of 550 °C

Thermal insulation

Optimal thermal insulation properties ensure ideal energy efficiency and energy consumption

Certified quality

LGA Certified
Complies with RoHS Directive
Complies with REACH Regulation
RAL
EUCEB

BENEFITS

- High temperature stability and resistance
- Thermal insulation properties ensure optimal energy efficiency and energy consumption
- Fire Hazard Classification FHC 0/0
- Non-corrosive insulation material (AS Quality)
- No organic binders
- Emission-free
- Can be laminated with Al foil or glass veil

APPLICATION

Thermal protection of applications, where limited space for insulation is available.

STANDARD

Technical properties of Knauf Insulation DAP INSULATION PAPER are declared in accordance with EN 14303.

Knauf Insulation DAP INSULATION PAPER is manufactured in accordance with ISO 9001 Quality Management Systems, ISO 14001 Environmental Management Systems, ISO 50001 Energy Management Systems and ISO 45001 Occupational Health and Safety Management Systems as certified by TÜV Nord.

CERTIFICATES

RAL GÜTEZEICHEN Erzeugnisse aus MINERALWOLLE
EUCEB
TÜVRheinland® LGA
RoHS 2 2011/65/EU

challenge.
create.
care.

KNAUF INSULATION DAP INSULATION PAPER

November 2020

TECHNICAL PROPERTIES

Characteristics	Symbol	Value								Unit	Standard
Color	-	white								-	-
Maximum service temperature	ST(+)	≤550								°C	EN 14706
Softening point	-	680								°C	-
Water soluble chloride ions	-	≤10								mg/kg	EN 13468
Thermal conductivity at mean temperature	T_m	50	100	150	200	250	300	350	400	°C	EN 12667
	λ	0.034	0.039	0.044	0.049	0.054	0.059	0.064	0.070	W/mK	
Surface burning chrasteristics	CFC[1]	0								-	UL 723 ASTM E84
	FSI[2]	0								-	
	CSD[3]	0.0								-	
	SDI[4]	0								-	

[1] CFS – Calculated Flame Spread
[2] FSI – Flame Spread Index
[3] CSD – Calculated Smoke Developed
[4] SDI – Smoke Developed Index

HANDLING & STORAGE

Knauf Insulation DAP INSULATION PAPER is packed on a wooden or plastic pallet. Products are covered with PE foil or wrapped twice with stretch foil, which is designed for short-term protection only. It is recommended to store the product either indoors, or under a cover and off the ground, for a maximum of up to 12 months.

If the material becomes damp on location, ensure the moisture evaporates before placing the felts into a manufacturing process.

The performance of DAP INSULATION PAPER depends on the customer's manufacturing process. Individual customers must optimize and control their manufacturing process to ensure the material meets the requirements of their manufacturing process and their final product.

Knauf Insulation, d.o.o.
Trata 32, 4220 Škofja Loka, Slovenia
Tel: +386 (0)4 5114 100
Fax: +386 (0)4 5114 319
E-mail: oem@knaufinsulation.com

For more info visit: **www.oem.knaufinsulation.com**

All rights reserved, including those of photomechanical reproduction and storage in electronic media. Commercial use of the processes and work presented in this document is not permitted. Extreme caution was taken in assembling the information, texts and illustrations in this document. Nevertheless, errors cannot be entirely ruled out. The publisher and editors assume no legal responsibility or any liability whatsoever for any incorrect information or any consequences thereof. The publisher and editors are grateful for any suggestions for improvement as well as the identification of any errors.

challenge.
create.
care.