



DUBAI CENTRAL LABORATORY DEPARTMENT DCL PRODUCT CONFORMITY CERTIFICATION SCHEME SCOPE OF CERTIFICATION FOR CERTIFICATE NO. CL18020632

Certificate Issued To: KNAUF EXEED INSULATION L.L.C.

Plot 20F1 & 21F1, ICAD 1, Abu Dhabi, UAE

Applicable Standard Specification: 2020 Al Sa'fat – Dubai Green Building System

Applicable Specific Rules: DM-DCLD-RD-DP21-2185 (IC) – Specific Rules for

Certification of Pipe and Duct Insulation through Factory Assessment as per 2020 Al Sa'fat – Dubai

Green Building System

SN	PRODUCT DESCRIPTION	BRAND NAME	PRODUCT DETAILS
1.	Mineral Wool (Glass wool) Board CFC Free (see note 4)	Knauf Insulation (Yellowish in color) Knauf Insulation With ECOSE Technology (PF Free) (Brownish in color)	Mineral Fiber Board Without Facing Width: 300 to 1220, Length: Various Length Nominal Thickness: 15 - 150 mm Nominal Density: 20 - 120 kg/m³ Thermal Conductivity @ 35°C & 60% RH: k-value: 0.045 W/(m-°K) for (Density: 16 - 24 kg/m3) k-value: 0.037 W/(m-°K) for (Density: 25 - 32 kg/m3) k-value: 0.041 W/(m-°K) for (Density: 33 - 64 kg/m3) k-value: 0.038 W/(m-°K) for (Density: 65 - 120 kg/m3) For Hot Applications only and should not be used for Refrigerated/Condensation Applications.
		Knauf Insulation (Yellowish in color) Knauf Insulation With Ecose Technology (PF Free) (Brownish in color)	Mineral Fiber Board with FSK (Foil Scrim Kraft) Facing Width: 300 to 1220, Length: Various Length Nominal Thickness: 15 - 150 mm Nominal Density: 20 - 120 kg/m³ Thermal Conductivity @ 35°C & 60% RH: k-value: 0.045 W/(m-°K) for (Density: 16 - 24 kg/m3) k-value: 0.037 W/(m-°K) for (Density: 25 - 32 kg/m3) k-value: 0.041 W/(m-°K) for (Density: 33 - 64 kg/m3) k-value: 0.038 W/(m-°K) for (Density: 65 - 120 kg/m3) Water Vapor Permeance is 0.0 perms as per the requirements of table 1 of BS 5422:2009

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	Mineral Fiber Board with WGF (Woven Glass Fiber) Facing
Knauf Insulation	
(Yellowish in color)	Width: 300 to 1220, Length: Various Length
	Nominal Thickness, 15 - 150 mm
	Nominal Density, 20 – 120 kg/m³
	Thermal Conductivity @ 35°C & 60% RH:
Knauf Insulation	k-value: 0.045 W/(m-°K) for (Density: 16 – 24 kg/m3)
With Ecose Technology	k-value: 0.037 W/(m-°K) for (Density: 25 – 32 kg/m3)
(PF Free)	k-value: 0.041 W/(m-°K) for (Density: 33 – 64 kg/m3)
(Brownish in color)	k-value: 0.038 W/(m-°K) for (Density: 65 – 120 kg/m3)
	For Hot Applications only and should not be used for
	Refrigerated/Condensation Applications.
Knauf Insulation (Yellowish in color)	Mineral Fiber Board with FS (Aluminum Foil Scrim) Facing
	Width: 300 to 1220, Length: Various Length
	Nominal Thickness, 20 - 150 mm
Knauf Insulation	Nominal Density, 20 – 120 kg/m³
With Ecose Technology	Thermal Conductivity @ 35°C & 60% RH:
(PF Free)	k-value: 0.045 W/(m-°K) for (Density: 16 – 24 kg/m3)
(Brownish in color)	k-value: 0.037 W/(m-°K) for (Density: 25 – 32 kg/m3)
(Brownish in Color)	k-value: 0.041 W/(m-°K) for (Density: 33 – 64 kg/m3)
	k-value: 0.038 W/(m-°K) for (Density: 65 – 120 kg/m3)
	Water Vapor Permeance of barrier is less than 0.050g/s.MN - Not
	to be used for less than 10°C applications as per the requirements
	of table 1 of BS 5422:2009
Knauf Insulation	Mineral Fiber Board with Aluglass Facing
(Yellowish in color)	Milleral Fiber Board With Alugiass Facility
(Tellowish In Color)	Width 200 to 1220 I anoth Various I anoth
	Width: 300 to 1220, Length: Various Length
	Nominal Thickness, 20 - 150 mm
	Nominal Density, 20 – 120 kg/m³
Knauf Insulation	Thermal Conductivity @ 35°C & 60% RH:
With Ecose Technology	k-value: 0.045 W/(m-°K) for (Density: 16 – 24 kg/m3)
(PF Free)	k-value: 0.037 W/(m-°K) for (Density: 25 – 32 kg/m3)
(Brownish in color)	k-value: 0.041 W/(m-°K) for (Density: 33 – 64 kg/m3)
(Drownish in color)	k-value: 0.038 W/(m-°K) for (Density: 65 – 120 kg/m3)

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			Water Vapor Permeance of barrier is less than 0.050g/s.MN)-Not to be used for less than 10°C applications as per the requirements of table 1 of BS 5422:2009
		Knauf Insulation (Yellowish in color)	Mineral Fiber Board with Aluglass-FR Facing Width: 300 to 1220, Length: Various Length Nominal Thickness, 20 - 150 mm
		Knauf Insulation With Ecose Technology (PF Free) (Brownish in color)	Nominal Density, 20 – 120 kg/m³ Thermal Conductivity @ 35°C & 60% RH: k-value: 0.045 W/(m-°K) for (Density: 16 – 24 kg/m3) k-value: 0.037 W/(m-°K) for (Density: 25 – 32 kg/m3) k-value: 0.041 W/(m-°K) for (Density: 33 – 64 kg/m3) k-value: 0.038 W/(m-°K) for (Density: 65 – 120 kg/m3) Not to be used for less than – 5°C applications as per the
			requirements of table 1 of BS 5422:2009
(Glass wo Blanket Mattres CFC Fre	Mineral Wool (Glass wool)	Knauf Insulation (Yellowish in color)	Mineral Fiber Blanket/Mattress without Facing Width: 300 to 1220 mm; Length: Various Length Nominal Thickness: 15 - 300 mm Nominal Density: 10 – 48 kg/m³;
	Mattress CFC Free (see note 4)	Knauf Insulation With Ecose Technology (PF Free) (Brownish in color)	Thermal Conductivity @ 35°C & 60% RH: k-value: 0.06 W/(m-°K) for (Density: 10 – 16 kg/m3) k-value: 0.041 W/(m-°K) for (Density: 17 – 24 kg/m3) k-value: 0.037 W/(m-°K) for (Density: 25 – 48 kg/m3) For Hot Applications only and should not be used for
		Knauf Insulation (Yellowish in color)	Refrigerated/Condensation Applications. Mineral Fiber Blanket/Mattress with Aluglass Width: 300 to 1220 mm; Length: Various Length Nominal Thickness: 15 - 300 mm Nominal Density: 10 - 48 kg/m³;
		Knauf Insulation With Ecose Technology (PF Free) (Brownish in color)	Thermal Conductivity @ 35°C & 60% RH: k-value: 0.06 W/(m-°K) for (Density: 10 – 16 kg/m3) k-value: 0.041 W/(m-°K) for (Density: 17 – 24 kg/m3) k-value: 0.037 W/(m-°K) for (Density: 25 – 48 kg/m3)

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		Water Vapor Permeance of barrier is less than 0.050g/s.MN - Not to be used for less than 10°C applications as per the requirements of table 1 of BS 5422:2009
	nsulation sh in color)	Mineral Fiber Blanket/Mattress with FSK (Foil Scrim Kraft) Facing
With Ecos (PF	nsulation e Technology Free) ish in color)	Width: 300 to 1220 mm; Length: Various Length Nominal Thickness: 15 - 300 mm Nominal Density: 10 - 48 kg/m³; Thermal Conductivity @ 35°C & 60% RH: k-value: 0.06 W/(m-°K) for (Density: 10 - 16 kg/m³) k-value: 0.041 W/(m-°K) for (Density: 17 - 24 kg/m³) k-value: 0.037 W/(m-°K) for (Density: 25 - 48 kg/m³) Water Vapor Permeance is 0.0 perms as per the requirements of table 1 of BS 5422:2009
	nsulation sh in color)	Mineral Fiber Blanket/Mattress with WGF (Woven Glass Fiber) Facing Width: 300 to 1220 mm; Length: Various Length
With Ecos (PF	nsulation e Technology Free) ish in color)	Nominal Thickness: 15 - 300 mm Nominal Density: 10 - 48 kg/m³; Thermal Conductivity @ 35°C & 60% RH: k-value: 0.06 W/(m-°K) for (Density: 10 - 16 kg/m³) k-value: 0.041 W/(m-°K) for (Density: 17 - 24 kg/m³) k-value: 0.037 W/(m-°K) for (Density: 25 - 48 kg/m³) For Hot Applications only and should not be used for Refrigerated/Condensation Applications.
	nsulation sh in color)	Mineral Fiber Blanket/Mattress with Aluglass-FR Facing Width: 300 to 1220 mm; Length: Various Length Nominal Thickness: 15 - 300 mm
With Ecos (PF	nsulation e Technology Free) ish in color)	Nominal Density: 10 – 48 kg/m³; Thermal Conductivity @ 35°C & 60% RH: k-value: 0.06 W/(m-°K) for (Density: 10 – 16 kg/m3) k-value: 0.041 W/(m-°K) for (Density: 17 – 24 kg/m3) k-value: 0.037 W/(m-°K) for (Density: 25 – 48 kg/m3)

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			Not to be used for less than - 5 °C applications as per the requirements of table 1 of BS 5422:2009
3.		Knauf Insulation (Yellowish in color) Knauf Insulation	Mineral Fiber Pipe Insulation without Facing Diameter: 21.3 to 457.2 mm Length: 1.2 m
	Mineral Wool (Glass wool) Pipe Insulation CFC Free (see note 4)	Knauf Insulation With Ecose Technology (PF Free) (Brownish in color)	Nominal Thickness: 15 - 100 mm Nominal Density: 64 - 120 kg/m³ Thermal Conductivity @ 35°C & 60% RH: k-value: 0.036 W/(m-°K) for (Density: 64 - 120 kg/m3) For Hot Applications only and should not be used for Refrigerated/Condensation Applications.
		Knauf Insulation (Yellowish in color) Knauf Insulation Knauf Insulation With Ecose Technology (PF Free) (Brownish in color)	Mineral Fiber Pipe Insulation with FSK (Foil Scrim Kraft) Facing Diameter: 21.3 to 457.2 mm Length: 1.2 m Nominal Thickness: 15 - 100 mm Nominal Density: 64 - 120 kg/m³ Thermal Conductivity @ 35°C & 60% RH: k-value: 0.036 W/(m-°K) for (Density: 64 - 120 kg/m3) Water Vapor Permeance is 0.0 perms as per the requirements of table 1 of BS 5422:2009
		Knauf Insulation (Yellowish in color) Knauf Insulation With Ecose Technology (PF Free) (Brownish in color)	Mineral Fiber Pipe Insulation with Aluglass Facing Diameter: 21.3 to 457.2 mm Length: 1.2 m Nominal Thickness: 15 - 100 mm Nominal Density: 64 - 120 kg/m³ Thermal Conductivity @ 35°C & 60% RH: k-value: 0.036 W/(m-°K) for (Density: 64 - 120 kg/m3)

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DUBAI CENTRAL LABORATORY DEPARTMENT

DCL PRODUCT CONFORMITY CERTIFICATION SCHEME

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	Water Vapor Permeance of barrier is less than 0.050g/s.MN - Not to be used for less than 10°C applications as per the requirements of table 1 of BS 5422:2009
Knauf Insulation	Mineral Fiber Pipe Insulation with Aluglass-FR Facing
(Yellowish in color)	Diameter: 21.3 to 457.2 mm
	Length: 1.2 m
	Nominal Thickness: 15 - 100 mm
Knauf Insulation	Nominal Density: 64 – 120 kg/m³
With Ecose Technology	Thermal Conductivity @ 35°C & 60% RH:
(PF Free)	k-value: 0.036 W/(m-°K) for (Density: 64 – 120 kg/m3)
(Brownish in color)	
	Not to be used for less than - 5 °C applications as per the
	requirements of table 1 of BS 5422:2009

Note 1: The above products shall bear the DCL Conformity Mark.

Note 2: This document forms part of the Certificate of Product Conformity bearing the same certificate number.

Note 3: Maximum k-value measured at 35 °C temperature and 60% relative humidity condition.

Note 4: CFC Free as per declaration from the company, in accordance with the 2020 Al Sa'fat - Dubai Green Building

System

Original Issue Date: 03 October 2018
Current Issue Date: 03 October 2022
Valid Until: 02 October 2023

ARIF HUSAIN AL MARZOOQI

Products Conformity Assessment Section Manager Dubai Central Laboratory Department