

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)	Mineral Fiber Board Without Facing Width: 300 to 1220, Length: Various Length Nominal Thickness: 15 - 150 mm Nominal Density: 20 – 120 kg/m ³ Thermal Conductivity @ 35°C & 60% RH: k-value: 0.045 W/(m-°K) for (Density: 16 – 24 kg/m ³) k-value: 0.037 W/(m-°K) for (Density: 25 – 32 kg/m ³) k-value: 0.041 W/(m-°K) for (Density: 33 – 64 kg/m ³) k-value: 0.038 W/(m-°K) for (Density: 65 – 120 kg/m ³) For Hot Applications only and should not be used for Refrigerated/Condensation Applications.
		Knauf Insulation With ECOSE Technology (PF Free) (Brownish in color)	
		Knauf Insulation (Yellowish 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/m ³ Thermal Conductivity @ 35°C & 60% RH: k-value: 0.045 W/(m-°K) for (Density: 16 – 24 kg/m ³) k-value: 0.037 W/(m-°K) for (Density: 25 – 32 kg/m ³) k-value: 0.041 W/(m-°K) for (Density: 33 – 64 kg/m ³) k-value: 0.038 W/(m-°K) for (Density: 65 – 120 kg/m ³) Water Vapor Permeance is 0.0 perms as per the requirements of table 1 of BS 5422:2009
		Knauf Insulation With Ecos Technology (PF Free) (Brownish in color)	

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		Knauf Insulation (Yellowish in color)	Mineral Fiber Board with WGF (Woven Glass Fiber) Facing Width: 300 to 1220, Length: Various Length Nominal Thickness, 15 - 150 mm Nominal Density, 20 – 120 kg/m ³ Thermal Conductivity @ 35°C & 60% RH: k-value: 0.045 W/(m-°K) for (Density: 16 – 24 kg/m ³) k-value: 0.037 W/(m-°K) for (Density: 25 – 32 kg/m ³) k-value: 0.041 W/(m-°K) for (Density: 33 – 64 kg/m ³) k-value: 0.038 W/(m-°K) for (Density: 65 – 120 kg/m ³) <i>For Hot Applications only and should not be used for Refrigerated/Condensation Applications.</i>
		Knauf Insulation With Ecos Technology (PF Free) (Brownish in color)	
		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 Nominal Density, 20 – 120 kg/m ³ Thermal Conductivity @ 35°C & 60% RH: k-value: 0.045 W/(m-°K) for (Density: 16 – 24 kg/m ³) k-value: 0.037 W/(m-°K) for (Density: 25 – 32 kg/m ³) k-value: 0.041 W/(m-°K) for (Density: 33 – 64 kg/m ³) k-value: 0.038 W/(m-°K) for (Density: 65 – 120 kg/m ³) <i>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</i>
		Knauf Insulation With Ecos Technology (PF Free) (Brownish in color)	
		Knauf Insulation (Yellowish in color)	Mineral Fiber Board with Aluglass Facing Width: 300 to 1220, Length: Various Length Nominal Thickness, 20 - 150 mm Nominal Density, 20 – 120 kg/m ³ Thermal Conductivity @ 35°C & 60% RH: k-value: 0.045 W/(m-°K) for (Density: 16 – 24 kg/m ³) k-value: 0.037 W/(m-°K) for (Density: 25 – 32 kg/m ³) k-value: 0.041 W/(m-°K) for (Density: 33 – 64 kg/m ³) k-value: 0.038 W/(m-°K) for (Density: 65 – 120 kg/m ³)
		Knauf Insulation With Ecos Technology (PF Free) (Brownish in color)	

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			<i>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</i>
		Knauf Insulation (Yellowish in color)	Mineral Fiber Board with Aluglass-FR Facing Width: 300 to 1220, Length: Various Length Nominal Thickness, 20 - 150 mm Nominal Density, 20 - 120 kg/m ³ Thermal Conductivity @ 35°C & 60% RH: k-value: 0.045 W/(m-°K) for (Density: 16 - 24 kg/m ³) k-value: 0.037 W/(m-°K) for (Density: 25 - 32 kg/m ³) k-value: 0.041 W/(m-°K) for (Density: 33 - 64 kg/m ³) k-value: 0.038 W/(m-°K) for (Density: 65 - 120 kg/m ³) <i>Not to be used for less than - 5 °C applications as per the requirements of table 1 of BS 5422:2009</i>
2.	Mineral Wool (Glass wool) Blanket/ Mattress CFC Free (see note 4)	Knauf Insulation (Yellowish in color)	
		Knauf Insulation With Ecos Technology (PF Free) (Brownish in color)	
		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/m ³ ; Thermal Conductivity @ 35°C & 60% RH: k-value: 0.06 W/(m-°K) for (Density: 10 - 16 kg/m ³) k-value: 0.041 W/(m-°K) for (Density: 17 - 24 kg/m ³) k-value: 0.037 W/(m-°K) for (Density: 25 - 48 kg/m ³) For Hot Applications only and should not be used for Refrigerated/Condensation Applications.
		Knauf Insulation With Ecos Technology (PF Free) (Brownish in color)	
		Knauf Insulation (Yellowish in color)	Mineral Fiber Blanket/Mattress with Aluglass Width: 300 to 1220 mm; Length: Various Length Nominal Thickness: 15 - 300 mm Nominal Density: 10 - 48 kg/m ³ ; Thermal Conductivity @ 35°C & 60% RH: k-value: 0.06 W/(m-°K) for (Density: 10 - 16 kg/m ³) k-value: 0.041 W/(m-°K) for (Density: 17 - 24 kg/m ³) k-value: 0.037 W/(m-°K) for (Density: 25 - 48 kg/m ³)
		Knauf Insulation With Ecos Technology (PF Free) (Brownish in color)	

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			<i>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</i>
		Knauf Insulation (Yellowish in color)	Mineral Fiber Blanket/Mattress with FSK (Foil Scrim Kraft) Facing Width: 300 to 1220 mm; Length: Various Length Nominal Thickness: 15 - 300 mm Nominal Density: 10 – 48 kg/m ³ ; Thermal Conductivity @ 35°C & 60% RH: k-value: 0.06 W/(m-°K) for (Density: 10 – 16 kg/m ³) k-value: 0.041 W/(m-°K) for (Density: 17 – 24 kg/m ³) k-value: 0.037 W/(m-°K) for (Density: 25 – 48 kg/m ³) <i>Water Vapor Permeance is 0.0 perms as per the requirements of table 1 of BS 5422:2009</i>
		Knauf Insulation With Ecos Technology (PF Free) (Brownish in color)	
		Knauf Insulation (Yellowish in color)	Mineral Fiber Blanket/Mattress with WGF (Woven Glass Fiber) Facing Width: 300 to 1220 mm; Length: Various Length Nominal Thickness: 15 - 300 mm Nominal Density: 10 – 48 kg/m ³ ; Thermal Conductivity @ 35°C & 60% RH: k-value: 0.06 W/(m-°K) for (Density: 10 – 16 kg/m ³) k-value: 0.041 W/(m-°K) for (Density: 17 – 24 kg/m ³) k-value: 0.037 W/(m-°K) for (Density: 25 – 48 kg/m ³) <i>For Hot Applications only and should not be used for Refrigerated/Condensation Applications.</i>
		Knauf Insulation With Ecos Technology (PF Free) (Brownish in color)	
		Knauf Insulation (Yellowish in color)	Mineral Fiber Blanket/Mattress with Aluglass-FR Facing Width: 300 to 1220 mm; Length: Various Length Nominal Thickness: 15 - 300 mm Nominal Density: 10 – 48 kg/m ³ ; Thermal Conductivity @ 35°C & 60% RH: k-value: 0.06 W/(m-°K) for (Density: 10 – 16 kg/m ³) k-value: 0.041 W/(m-°K) for (Density: 17 – 24 kg/m ³) k-value: 0.037 W/(m-°K) for (Density: 25 – 48 kg/m ³)
		Knauf Insulation With Ecos Technology (PF Free) (Brownish in color)	

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

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		Knauf Insulation (Yellowish in color)	Mineral Fiber Pipe Insulation with Aluglass-FR Facing Diameter: 21.3 to 457.2 mm Length: 1.2 m Nominal Thickness: 15 - 100 mm Nominal Density: 64 - 120 kg/m ³ Thermal Conductivity @ 35°C & 60% RH: k-value: 0.036 W/(m-°K) for (Density: 64 - 120 kg/m ³) <i>Not to be used for less than - 5 °C applications as per the requirements of table 1 of BS 5422:2009</i>
		Knauf Insulation With Ecos Technology (PF Free) (Brownish in color)	

- 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.

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