

Permit Number: BR8212IK

Operator: Knauf Insulation Ltd

Installation: Knauf Insulation Ltd, Cwmbran

Form Number: Air2

Reporting of emissions to air for the period from 01/01/2024 to 30/06/2024

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result <sup>[1]</sup>	Test Method <sup>[2]</sup>	Sample Date and Times <sup>[3]</sup>	Uncertainty <sup>[4]</sup>
A0	Particulate matter	35 mg/Nm <sup>3</sup>	Extractive sample	27.6 (3 spot sample average)	EN 13284-1	09:55 – 13:04 07/06/2024	1.7
A1	Particulate matter	20 mg/Nm <sup>3</sup>	Daily average	1.07	MCerts Approved	Jan-Jun 2024 98% Operational	-
A1	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	300 mg/Nm <sup>3</sup>	Daily average	237.14	MCerts Approved	Jan-Jun 2024 98% Operational	-
A1	Carbon Monoxide	100 mg/Nm <sup>3</sup>	Extractive sample	6.5 (3 spot sample average)	EN 15058	18:00 – 19:30 05/06/2024	0.69
A1	Oxides of Sulphur (as SO <sub>2</sub> )	150 mg/Nm <sup>3</sup>	Extractive sample	2.2 (3 spot sample average)	EN 14791	12:37 – 14:28 06/06/2024	0.12
A1	Gaseous Fluorides (as HF)	5 mg/Nm <sup>3</sup>	Extractive sample	2.3 (3 spot sample average)	CEN/TS 17340	09:00 – 10:37 06/06/2024	0.3
A1	Gaseous Chlorides (as HCl)	10 mg/Nm <sup>3</sup>	Extractive sample	0.34 (3 spot sample average)	EN 1911	09:00 – 10:37 06/06/2024	0.019
A1	Group 1 Metals	1 mg/Nm <sup>3</sup>	Extractive sample	0.01 (3 spot sample average)	EN 14385	12:55 – 14:43 05/06/2024	0.002
A1	Group 2 Metals	2 mg/Nm <sup>3</sup>	Extractive sample	0.026 (3 spot sample average)	EN 14385	12:55 – 14:43 05/06/2024	0.0051
A3	Particulate matter	47 mg/Nm <sup>3</sup>	Extractive sample	21.1 (3 spot sample average)	EN 13284-1	14:20–15:20 / 08:35-10:40 04-05/06/2024	1.2
A3	Phenol	9 mg/Nm <sup>3</sup>	Extractive sample	<0.69 (3 spot sample average)	CEN/TS 13649	11:00 – 14:15 04/06/2024	0.14

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]
A3	Formaldehyde	5 mg/Nm <sup>3</sup>	Extractive sample	0.16 (3 spot sample average)	USEPA M316	11:00 – 14:15 04/06/2024	0.011
A3	Ammonia	60 mg/Nm <sup>3</sup>	Extractive sample	26.6 (3 spot sample average)	ISO 21877	14:20–15:20 / 08:35-10:40 04-05/06/2024	4.8
A3	Volatile organic compounds	27 mg/Nm <sup>3</sup>	Extractive sample	10.6 (3 spot sample average)	EN 12619	15:30 – 17:02 04/06/2024	2.0
A3	Amines	3 mg/Nm <sup>3</sup>	Extractive sample	<0.71 (3 spot sample average) [6]	CEN/TS 13649	14:20–15:20 / 08:35-10:40 04-05/06/2024	0.14
A4 <sup>[5]</sup>	Particulate matter	30 mg/Nm <sup>3</sup>	Extractive sample	No longer emission point	EN 13284-1		

- [1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
- [2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the authority is used, then the appropriate identifier is given. In other cases the principal technique is stated, e.g. gas chromatography.
- [3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
- [4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.
- [5] Particulate matter for emission point A4 has not been recorded since 2017 when a new filtration system was installed on each raw material silo removing the emission point A4.
- [6] Average of results of five amine group measurements.

Signed .....  
(Authorised to sign as representative of Operator)

Date...01/07/2024.....

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Operator: Knauf Insulation Ltd

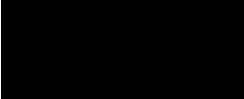
Installation: Knauf Insulation Ltd, Cwmbran

Form Number: Water2

**Reporting of emissions to water (other than to sewer) for the period from 01/01/2024 to 30/06/2024**

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]
W1	COD	120 mg/l	Spot sample	<10 mg/l	AES 1029	26/03/2024 13:30	-
W1	Total suspended solids	30 mg/l	Spot sample	12 mg/l	AES 1041	26/03/2024 13:30	-
W1	Total hydrocarbon oil	15 mg/l	Spot sample	<5.0 mg/l	AN 34	26/03/2024 13:30	-
W1	pH max	9	Spot sample	8.3	AES 1035	26/03/2024 13:30	-
W1	pH min	6	Spot sample	8.3	AES 1035	26/03/2024 13:30	-

- [1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
- [2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, e.g. gas chromatography.
- [3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
- [4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed .....  .....  
(Authorised to sign as representative of Operator)

Date...01/07/2024.....