

Permit Number: BR8212IK

Operator: Knauf Insulation Ltd

Installation: Knauf Insulation Ltd, Cwmbran

Form Number: Air2

Reporting of emissions to air for the period from 01/01/2025 to 30/6/2025

| 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 taken by Element. | 15.96<br>(3 spot sample average) | EN 13284-1                 | 10.50 – 13.43<br>17 <sup>TH</sup> June 2025<br>Report EMT13405 | 1.29                       |
| A1             | Particulate matter                                                           | 20 mg/Nm <sup>3</sup>  | Daily average (CEMS)                | <1.0                             | MCerts Approved            | Jan – June 2025<br>98% Operational                             | 0.05                       |
| A1             | Oxides of Nitrogen<br>(NO and NO <sub>2</sub> expressed as NO <sub>2</sub> ) | 300 mg/Nm <sup>3</sup> | Daily average (CEMS)                | 236.0<br>Average                 | MCerts Approved            | Jan – June 2025<br>98% Operational                             | 0.05                       |
| A1             | Carbon Monoxide                                                              | 100 mg/Nm <sup>3</sup> | Extractive sample taken by Element. | 0.88<br>(3 spot sample average)  | EN 15058                   | 1/5/2025 19.43 21.15<br>Report EMT 12816                       | 2.07                       |
| A1             | Oxides of Sulphur<br>(as SO <sub>2</sub> )                                   | 150 mg/Nm <sup>3</sup> | Extractive sample taken by Element. | 114.0<br>(3 spot sample average) | EN 14791                   | 01/5/2025<br>09.21 – 11.09<br>Report EMT 12816                 | 6.41                       |
| A1             | Gaseous Fluorides (as HF)                                                    | 5 mg/Nm <sup>3</sup>   | Extractive sample taken by Element. | 2.13<br>(3 spot sample average)  | CEN/TS 17340               | 01/05/2025<br>14.19 – 16.04<br>Report EMT 12816                | 0.27                       |
| A1             | Gaseous Chlorides (as HCl)                                                   | 10 mg/Nm <sup>3</sup>  | Extractive sample taken by Element. | 0.93<br>(3 spot sample average)  | EN 1911                    | 01/05/2025<br>14.19 – 16.04<br>Report EMT 12816                | 0.05                       |
| A1             | Group 1 Metals                                                               | 1 mg/Nm <sup>3</sup>   | Extractive sample taken by Element. | 0.01<br>(3 spot sample average)  | EN 14385                   | 2/5/2025<br>09.20 – 11.09<br>Report EMT 12816                  | 0.0021                     |
| A1             | Group 2 Metals                                                               | 1 mg/Nm <sup>3</sup>   | Extractive sample taken by Element. | 0.039<br>(3 spot sample average) | EN 14385                   | 2/5/2025<br>10.02 - 13.00<br>Report EMT 12816                  | 0.008                      |
| A3             | Particulate matter                                                           | 47 mg/Nm <sup>3</sup>  | Extractive sample taken by Element. | 17.59<br>(3 spot sample average) | EN 13284-1                 | 29 & 30 /04/2025<br>14.17 – 09.55<br>Report EMT 12816          | 1.53                       |

| 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> |
|-------------------|----------------------------|-----------------------|-------------------|--------------------------------------|----------------------------|----------------------------------------------------|----------------------------|
| A3                | Phenol                     | 9 mg/Nm <sup>3</sup>  | Extractive sample | <1.79<br>(3 spot sample average)     | CEN/TS 13649               | 29&30/04/2025<br>14.23 – 10.23<br>Report EMT 12816 | 0.37                       |
| A3                | Formaldehyde               | 5 mg/Nm <sup>3</sup>  | Extractive sample | 0.44<br>(3 spot sample average)      | CEN/TS 17638               | 30/04/2025<br>10.11 – 13.33<br>Report EMT 12816    | 0.03                       |
| A3                | Ammonia                    | 60 mg/Nm <sup>3</sup> | Extractive sample | 21.56<br>(3 spot sample average)     | EN 14781                   | 29&30/04/2025<br>14.17 – 0.55<br>Report EMT 12816  | 3.92                       |
| A3                | Volatile organic compounds | 27 mg/Nm <sup>3</sup> | Extractive sample | 25.10<br>(3 spot sample average)     | EN 12619                   | 30/04/2025<br>12.00 – 13.32<br>Report EMT 12816    | 0.7                        |
| A3                | Amines                     | 3 mg/Nm <sup>3</sup>  | Extractive sample | <0.89<br>(3 spot sample average) [6] | CEN/TS 13649               | 30/04/2025<br>10.23 – 13.37<br>Report EMT 12816    | 0.18                       |
| 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 Neil Parsons  
(Authorised to sign as representative of Operator)

Date...05/07/2025.....

Permit Number: BR8212IK

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 01/01/2025 to 30/06/2025**

| 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> |
|----------------|------------------------|----------------------|-------------------------------------------------------------------------------|-----------------------|----------------------------|-----------------------------------------------------|----------------------------|
| W1             | COD                    | 120 mg/l             | 10 <sup>th</sup> April @4pm sample collected by Neil Parsons sample # 5163322 | 42 mg/l               | CHEM039                    | 10 <sup>th</sup> April @16.00hrs Ref sample 5163322 | -                          |
| W1             | Total suspended solids | 30 mg/l              |                                                                               | <5.0 mg/l             | CHEM007                    |                                                     | -                          |
| W1             | Total hydrocarbon oil  | 15 mg/l              |                                                                               | <5.0 mg/l             | CHEM026                    |                                                     | -                          |
| W1             | pH max                 | 9                    |                                                                               | 8.3 pH units          | CHEM038                    |                                                     | -                          |
| W1             | pH min                 | 6                    |                                                                               | 7.8 pH units          | CHEM038                    |                                                     | -                          |

- [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.
- (5) The sample is manually collected by our Water Treatment Company (under Knauf supervision) from W1 interceptor tank and sent for analysis. This water can be discharged into the local river (surface run off water).

Signed Neil Parsons (EHS Manager)  
(Authorised to sign as representative of Operator)

Date...05/07/2025.....