WS Policy 9: Spread Rates

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| **Policy WS 9:**  **Carriageway Treatment Matrix: Treated Salt** | | | | | | |  |  |  |  |
| **Weather Conditions**  **Road Surface Conditions**  **Road Surface Temperature (RST)** **when frost/ ice predicted** | | Moderate Traffic | | | | Light Traffic 23:00-04:00(1st treatment) | | | | Ploughing |
| Dry/Damp Road | | Wet Road | | Dry/Damp Road | | Wet Road | | No |
| **Precautionary Treatment (g/m2)** | |  |  |  |  |  |  |  |  |  |
| At or above -1C |  | 7 | | 7 | | 9 | | 9 | | No |
| -1.01C to -2.0C |  | 7 | | 7 | | 9 | | 9 | | No |
| -2.01C to -3.0C |  | 7 | | 10 | | 9 | | 13 | | No |
| -3.01C to -4.0C |  | 7 | | 13 | | 9 | | 16 | | No |
| -4.01C to -5.0C |  | 8 | | 16 | | 10 | | 20 | | No |
| -5.01C to -7.0C |  | 11 | | 22 | | 14 | | 28 | | No |
| -7.01C to -10.0C |  | 16 | | 31 | | 20 | | 39 | | No |
| -10.01C to -15.0C |  | 22 | | 2 x 21 | | 28 | | 2 x 27 | | No |
| Forecast snow Up to 30mm | | 15 | | 15 | | 20 | | 20 | | No |
| Forecast snow greater than 30mm | | 15-30 | | 15-30 | | 20-40 | | 20-40 | | No |
| **Post Treatment (g/m2)** |  |  |  |  |  |  |  |  |  |  |
| Hoar frost/ice (see precautionary treatment above) | | 8-30 | | 8-30 | | 10-40 | | 10-40 | | No |
| (dependant on surface temperature and state) | | | | | | | |  |
| Snow where precautionary treatment has taken place | | 8 | | 8 | | 10 | | 10 | | Plough first if depth >5-15mm see note.4 |
|
| Snow where precautionary treatment has not taken place | | 15-40 | | 15-40 | | 20-40 | | 20-40 | |
|
| Hard-packed snow/ice | | salt and/or liquid de-icer | | | | | | | | No |

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| **Policy WS 9:**  **Carriageway Treatment Matrix: Untreated Salt** | | | | | | |  |  |  |  |
| **Weather Conditions**  **Road Surface Conditions**  **Road Surface Temperature (RST)** **when frost/ ice predicted** | | Moderate Traffic | | | | Light Traffic 23:00-04:00(1st treatment) | | | | Ploughing |
| Dry/Damp Road | | Wet Road | | Dry/Damp Road | | Wet Road | | No |
| **Precautionary Treatment (g/m2)** | |  |  |  |  |  |  |  |  |  |
| At or above -1C |  | 8 | | 8 | | 10 | | 10 | | No |
| -1.01C to -2.0C |  | 8 | | 8 | | 10 | | 10 | | No |
| -2.01C to -3.0C |  | 8 | | 13 | | 10 | | 16 | | No |
| -3.01C to -4.0C |  | 9 | | 17 | | 11 | | 21 | | No |
| -4.01C to -5.0C |  | 11 | | 21 | | 14 | | 26 | | No |
| -5.01C to -7.0C |  | 15 | | 30 | | 19 | | 38 | | No |
| -7.01C to -10.0C |  | 20 | | 40 | | 25 | | 2 x 25 | | No |
| -10.01C to -15.0C |  | 28 | | 2 x 28 | | 28 | | 2 x 27 | | No |
| Forecast snow Up to 30mm | | 20 | | 20 | | 27 | | 27 | | No |
| Forecast snow greater than 30mm | | 20-40 | | 20-40 | | 25-50 | | 25-50 | | No |
| **Post Treatment (g/m2)** |  |  |  |  |  |  |  |  |  |  |
| Hoar frost/ice (see precautionary treatment above) | | Jan-00 | | 8-30 | | 10-40 | | 10-40 | | No |
| (dependant on surface temperature and state) | | | | | | | |  |
| Snow where precautionary treatment has taken place | | 8 | | 11 | | 13 | | 13 | | Plough first if depth >5-15mm see note.4 |
|
| Snow where precautionary treatment has not taken place | | 20-40 | | 20-40 | | 25-50 | | 25-50 | |
|
| Hard-packed snow/ice | | salt and/or abrasive and/or liquid de-icer | | | | salt and/or liquid de-icer | | | | No |