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 |