|  |  |
| --- | --- |
|  |  |
| **Annexure MRTS12.1** |
| **Sprayed Bituminous Emulsion Surfacing** |
|  |
| **Specific Contract Requirements** |
|  |
| **Contract Number**  |  |
|  |
| Note: | Clause references within brackets in this Annexure refer to Clauses in the parent Technical Specification MRTS12 unless otherwise noted. |

**Part A – Completed By Principal as Part of Brief**

|  |
| --- |
| Requirements for modified Bituminous EmulsionSpecification Requirements for Modified Bituminous Emulsion (Table 7) |
|  |  |

|  |
| --- |
| Spraying Temperature Range for Modified Bituminous Emulsion (Table 12.5) |
|  | The spraying temperature range for modified bituminous emulsion shall be |  |

# Requirements for Adhesion Agent (Table 7)

Adhesion agent shall conform to the following requirements.

|  |  |
| --- | --- |
|  |  |

# Additional Plant Requirements (Clause 9)

The following minimum requirements shall apply to plant additional to those stated in Clause 9.

|  |  |
| --- | --- |
|  |  |

# Additional Process Requirements – Spraying

## Programming of Spray Runs (Clause 10.7)

The following requirements shall apply to programming spray runs additional to those stated in Clause 10.8.

|  |  |
| --- | --- |
|  |  |

## Minimum Pavement Surface Temperature (Clause 11.3)

|  |  |  |
| --- | --- | --- |
|  | The minimum pavement surface temperature prior to spraying shall be |  |

## Minimum Period between Bituminous Treatments (Clause 11.5)

The following minimum periods shall apply between bituminous treatments.

|  |  |
| --- | --- |
|  |  |

# Additional Process Requirements – Spreading

## Excess Prime Cover Material (Clause 13.5)

|  |  |  |
| --- | --- | --- |
|  | Excess prime cover material shall not be removed from the surface |  |

## Requirements for Aggregate Spreader (Clause 14.4)

The following types of aggregate spreader shall be used.

|  |  |  |
| --- | --- | --- |
| Spreader Type | Spreader Characteristics | Spreader Type to be used |
| Method of Operation | Gate Mechanism | Rolling Mechanism | Control Mechanism | Operator Protection |
| A | Truck mounted | Variable gate opening not linked to the vehicle speed | No roller | Manual | None |  |
| B | Truck mounted | Variable gate opening | Smooth roller spreader | Manual | None |  |
| C | Self propelled | Variable gate opening linked to the vehicle speed | No roller | Automatic Electronic | Cab |  |
| D | Self propelled | Manual gate opening | Roller spreader linked to the vehicle speed | Automatic Electronic | Cab |  |
| E | Self propelled | Operator controlled variable gate opening | Roller spreader linked to the vehicle speed | Automatic Electronic | Cab |  |

|  |
| --- |
| Examples of Spreader Types |
| **Spreader Type A** | Cockerel Spreader |
| **Spreader Type B** | Vicroads Roller Spreader |
| **Spreader Type C** | Bearcat Spreader (United States of America) |
| **Spreader Type D** | Phoenix Spreader (United Kingdom) |
| **Spreader Type E** | Wirtgen Spreader (Germany) |

## Number of Roller Passes (Clause 14.5)

|  |  |  |
| --- | --- | --- |
|  | The minimum number of roller passes on cover aggregate shall be |  |

# Part B – Completed by Designer under the Contract

# Specific Treatment Details (Clause 6.1 and Table 2)

The specific treatment details applicable to this Contract are as follows.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Reference Location |  |  |  |  |  |  |
| Control Line |  |  |  |  |  |  |
| Section | From |  |  |  |  |  |  |
| To |  |  |  |  |  |  |
| Length (m) |  |  |  |  |  |  |
| Nom. Width (m) |  |  |  |  |  |  |
| Area (m²) |  |  |  |  |  |  |
| Prime Coat | Treatment †1 |  |  |  |  |  |  |
| Type / Class / Grade †2 |  |  |  |  |  |  |
| Est. Rate (I/m²) †3 |  |  |  |  |  |  |
| Cover Material |  |  |  |  |  |  |
| Est. Rate (m² / m³) †4 |  |  |  |  |  |  |
| First Seal Coat | Treatment †1 |  |  |  |  |  |  |
| Type / Class / Grade †2 |  |  |  |  |  |  |
| Est. Rate (I/m²) †3 |  |  |  |  |  |  |
| Cover Aggregate |  |  |  |  |  |  |
| Est. Rate (m² / m³) †4 |  |  |  |  |  |  |
| Second Seal Coat /or Double Application of Cover Aggregate With a Single Application of Binder | Treatment †1 |  |  |  |  |  |  |
| Type / Class / Grade †2 |  |  |  |  |  |  |
| Est. Rate (I/m²) †3 |  |  |  |  |  |  |
| Cover Aggregate 1 |  |  |  |  |  |  |
| Est. Rate (m² / m³) †4 |  |  |  |  |  |  |
| Cover Aggregate 2 |  |  |  |  |  |  |
| Est. Rate (m² / m³) †4 |  |  |  |  |  |  |

†1 Treatment - prime, primerseal, seal, reseal or enrichment.

†2 Type and class or grade of bituminous material.

†3 Estimated Spray Rate 15°C of bituminous material.

†4 Estimated Spread Rate.

# Seal Design (Clause 6.2.1)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | The seal shall be designed by | **The Designer** |  | **The Contractor** |  |

# Supplementary Requirements (Clause 17)

The following supplementary requirements shall apply.

|  |  |
| --- | --- |
|  |  |