

**CITY OF WHITEHORSE SERVICING STANDARDS MANUAL**  
**PART 3 - SPECIFICATIONS**  
**SECTION 3.19 – PRIME COAT AND TACK COAT**

---

**TABLE OF CONTENTS**

<b>3.19 PRIME COATS AND TACK COATS .....</b>	<b>2</b>
<b>3.19.1 DESCRIPTION .....</b>	<b>2</b>
<b>3.19.2 PRIME COAT.....</b>	<b>2</b>
<b>3.19.3 TACK COATS (OVER ASPHALT BASE).....</b>	<b>2</b>

**CITY OF WHITEHORSE SERVICING STANDARDS MANUAL**  
**PART 3 - SPECIFICATIONS**  
**SECTION 3.19 – PRIME COAT AND TACK COAT**

---

### **3.19 PRIME COATS AND TACK COATS**

#### **3.19.1 DESCRIPTION**

Prime coat is the application of bituminous material to previously prepared granular base course prior to placing asphalt surfacing.

Tack coat is the application of asphalt material to a previously constructed paving surface of any type in preparation for placing asphalt surfacing, and against curb gutter faces, manholes, valves and other appurtenances in the street to be paved.

#### **3.19.2 PRIME COAT**

The bituminous material for priming the granular base course is to be liquid asphalt. The asphalt types may vary from M.C. 30 to M.C. 250; from SS-1 to SS-1H or an emulsified asphalt primer to suit the conditions of the base. The rate of application may vary from 0.50 to 1.00L/sq.m. Temperature of application is to fall within the following limits:

**Medium Curing Asphalt:**

M.C. 30 - 51 to 70 degrees Celsius

M.C. 70 - 75 to 90 degrees Celsius

M.C. 250 - 100 to 110 degrees Celsius

**Emulsified Asphalt:**

SS-1 - 25 to 55 degrees Celsius

SS-1H - 24 to 54 degrees Celsius

**Emulsified Asphalt**

Primer: - 15 to 50 degrees Celsius

#### **3.19.3 TACK COATS (OVER ASPHALT BASE)**

The asphalt for the tack coat may vary from SS-1 to SS-1H and from R.C. 30 to R.C. 250, depending on conditions to suit the base. The rate of application is to be 0.25 to 0.90L/sq.m. Temperature of application is to fall within the following limits:

**Rapid Curing Asphalt:**

R.C. 30 - 50 to 70 degrees Celsius

R.C. 70 - 75 to 90 degrees Celsius

R.C. 250 - 100 to 110 degrees Celsius

**Emulsified Asphalt:**

SS-1 - 24 to 54 degrees Celsius

SS-1H - 24 to 54 degrees Celsius