



Interlayer Inspection

ASPHALT INTERLAYER ASSOCIATION

Equipment Required

- Field Inspection Form
- Gram/gallon per yard conversion chart
- Measuring Scale of 2gm accuracy (preferably portable)
- Testing units (12" X 12" rigid material, 1/8th or 1/4 inch hardboard or plywood)

Testing activities required for tack coat application rate determination

Pre weigh test units and write weight on underside of test units

Have Binder Spreader unit pull to level area (both across and down the length of the truck)

Record starting gallons of asphalt binder taken from Spreader Truck tank gauge.

Instruct the spreader operator to not pump additional binder onto or off of the truck without you being allowed to take readings

Record the temperature of the asphalt binder inside the tank

Calibration

Have binder application spray unit locate at starting point of tack coat placement

Instruct spreader operator to set the application rate of the spreader to the desired rate (e.g. 0.25 gallons/sy)

Place test unit(s) on pavement [minimum of one, maximum of three] directly in front of truck. If one, place in center of truck, if three place in center of truck and outside of wheel paths

Instruct the operator to proceed forward applying asphalt binder until the test unit(s) have been crossed with sprayed asphalt binder

Retrieve test units (show care handling hot asphalt coating) and re weigh

Subtract the original weight recorded on the under side of the sample from the gross weight including the sprayed asphalt binder

Compare resulting weight with binder weight application chart

If required have operator adjust application rate up or down to reach desired rate

Retest if necessary until desired application rate is confirmed. {Note: the same testing units can be used repeatedly by simply recording new tare weights prior to a second application of binder}

Project Monitoring

All rolls of paving fabric should arrive at the job site in a plastic wrapper. This obviously indicates the roll is complete and has been protected from sun and water. {If partial rolls are brought to the jobsite, these should be set aside and all placed at the same time as the length will have to be calculated to determine total square yardage}. On partial rolls, the inspector can request one or two wraps of the exposed fabric to be removed to assure no ultraviolet degradation has occurred. The manufacturers tag each roll both outside on that wrapper as well as inside on the cardboard core. These tags provide all necessary information regarding the manufacturer, manufacturer tracking number, the weight per square yard, the width and length of that roll.

If the inspector will not be with the paving fabric laydown operations at all times he shall request the spreader operator to retain the tags as the rolls are applied. Upon return he can then determine total square yards placed. At any time during the project the inspector can take another reading on the tank (truck must be level) at the completion of a full fabric roll

Subtract the current tank reading from the beginning to determine total gallons of asphalt binder placed

Retrieve the roll tags from the spreader operator to determine number of rolls installed

Multiply the number of rolls times the square yards in the roll to get total square yardage

Divide the total gallons of asphalt binder placed by the total square yards placed and determine tack coat application rate to that point