

## Compaction Verification Checklist (for pavement)

## **Pre-Compaction Checks**

Verifies conditions are suitable for compaction before equipment is deployed. Includes material checks, weather conditions, and equipment readiness.

Ambient Temperature (°C/°F)	
Enter a number	
Moisture Content of Material (%)	
Enter a number	
Material Type Verified?  Asphalt Concrete Other	
Approved Material Source?  Yes No	

Weather Conditions  Clear Cloudy Rain Windy
Compaction Equipment Verified?  Yes  No
Equipment Check Notes  Write something
nitial Compaction (Lift 1) valuates the results of the initial compaction pass for the first layer of pavement. Focuses achieving target density and moisture content.
Lift Thickness (inches)
Enter a number

Density (%) - Initial
Enter a number
Material Type  Gravel Crushed Stone Base Course Other
Roller Type (Lift 1)  Sheepsfoot Pneumatic Tire Steel Wheel Vibratory Other
Roller Weight (lbs)
Enter a number
Number of Passes (Lift 1)
Enter a number
Observations/Comments (Lift 1)
Write something

## Photos/Videos (Lift 1) L Upload File

## **Intermediate Compaction (Subsequent Lifts)**

Checks compaction results for each subsequent lift of the pavement layer, ensuring uniform density and proper layer bonding.

Lift Number	
Enter a number	
Moisture Content (%)	
Enter a number	
Density (%)	
Enter a number	
Compaction Method Used	
Static Rollers	
☐ Vibratory Rollers	
Pneumatic Tires	
Other (Specify)	
Dellas Cattiana (Claustian E	
Roller Settings (Vibration Frequency, Amplitude, S	peed)
Write something	

Satisfactory Needs Improvement Unsatisfactory  Observations / Notes (e.g., mat behavior, roller performance)  Write something  Area Compacted (sq. meters/feet)  Enter a number  Corrective Actions Required? Moisture Adjustment Roller Setting Adjustment Roller Type Change None  Final Compaction (Top Lift) Assesses the final compaction of the top layer, confirming it meets specified density and surface tolerance requirements.  Density Achieved (%)  Enter a number	Surface Finish	
Observations / Notes (e.g., mat behavior, roller performance)  Write something  Area Compacted (sq. meters/feet)  Enter a number  Corrective Actions Required?  Moisture Adjustment  Roller Setting Adjustment  Roller Type Change None  Final Compaction (Top Lift)  Assesses the final compaction of the top layer, confirming it meets specified density and surface tolerance requirements.  Density Achieved (%)	Satisfactory	
Observations / Notes (e.g., mat behavior, roller performance)  Write something  Area Compacted (sq. meters/feet)  Enter a number  Corrective Actions Required?  Moisture Adjustment Roller Setting Adjustment Roller Type Change None  Final Compaction (Top Lift) Assesses the final compaction of the top layer, confirming it meets specified density and surface tolerance requirements.  Density Achieved (%)	□ Needs Improvement	
Area Compacted (sq. meters/feet)  Enter a number  Corrective Actions Required?  Moisture Adjustment  Roller Setting Adjustment  Roller Type Change  None  Final Compaction (Top Lift)  Assesses the final compaction of the top layer, confirming it meets specified density and surface tolerance requirements.  Density Achieved (%)	Unsatisfactory	
Area Compacted (sq. meters/feet)  Enter a number  Corrective Actions Required?  Moisture Adjustment  Roller Setting Adjustment  Roller Type Change  None  Final Compaction (Top Lift)  Assesses the final compaction of the top layer, confirming it meets specified density and surface tolerance requirements.  Density Achieved (%)		
Area Compacted (sq. meters/feet)  Enter a number  Corrective Actions Required?  Moisture Adjustment  Roller Setting Adjustment  Roller Type Change  None  Final Compaction (Top Lift)  Assesses the final compaction of the top layer, confirming it meets specified density and surface tolerance requirements.  Density Achieved (%)	Observations / Notes (e.g., ma	at behavior, roller performance)
Corrective Actions Required?  Moisture Adjustment Roller Setting Adjustment Roller Type Change None  Final Compaction (Top Lift) Assesses the final compaction of the top layer, confirming it meets specified density and surface tolerance requirements.  Density Achieved (%)	Write something	
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Moisture Adjustment Roller Setting Adjustment Roller Type Change None  Final Compaction (Top Lift) Assesses the final compaction of the top layer, confirming it meets specified density and surface tolerance requirements.  Density Achieved (%)	Enter a number	
Roller Setting Adjustment Roller Type Change None  Final Compaction (Top Lift) Assesses the final compaction of the top layer, confirming it meets specified density and surface tolerance requirements.  Density Achieved (%)	Corrective Actions Required?	
Roller Type Change None  Final Compaction (Top Lift) Assesses the final compaction of the top layer, confirming it meets specified density and surface tolerance requirements.  Density Achieved (%)	Moisture Adjustment	
Final Compaction (Top Lift) Assesses the final compaction of the top layer, confirming it meets specified density and surface tolerance requirements.  Density Achieved (%)	Roller Setting Adjustment	
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Assesses the final compaction of the top layer, confirming it meets specified density and surface tolerance requirements.  Density Achieved (%)	None	
Assesses the final compaction of the top layer, confirming it meets specified density and surface tolerance requirements.  Density Achieved (%)	Final Compaction (	Ton Lift)
Density Achieved (%)	-	
	Assesses the final compaction of the surface tolerance requirements.	ne top layer, confirming it meets specified density and
Enter a number	Density Achieved (%)	
	Enter a number	

Moisture Content (%)
Enter a number
Surface Tolerance (mm)
Enter a number
Surface Finish (Appearance)
☐ Smooth ☐ Textured
Acceptable
Unacceptable
Pass/Fail Status
☐ Pass
☐ Fail
Observations/Comments (if applicable)
Write something
Photos/Videos of Top Lift
♣ Upload File

Enter date	
Time of Top Lift Compaction	
Inspector's Signature	
ocumentation & Reporting	
ecords compaction data, test results, and any corrective actions taken. Ensures mpliance with project specifications.	
Date of Compaction Verification	
Enter date	
Time of Compaction Verification	
Average Moisture Content (%)	
Average Moisture Content (%)  Enter a number	

Compaction Equipment Used   Plate Compactor   Roller (Smooth Drum)   Roller (Padded Foot)   Vibratory Roller   Other (Specify)  Observations and Comments  Write something  Compaction Test Reports (e.g., Proctor, Density)  L Upload File  Verification Status   Pass   Fail   Warning  Inspector Signature	Number of Passes	
Plate Compactor   Roller (Smooth Drum)   Roller (Padded Foot)   Vibratory Roller   Other (Specify)    Observations and Comments    Write something  Compaction Test Reports (e.g., Proctor, Density)    ♣ Upload File    Verification Status   Pass   Fail   Warning	Enter a number	
Plate Compactor   Roller (Smooth Drum)   Roller (Padded Foot)   Vibratory Roller   Other (Specify)    Observations and Comments    Write something  Compaction Test Reports (e.g., Proctor, Density)    ♣ Upload File    Verification Status   Pass   Fail   Warning		
Roller (Smooth Drum)   Roller (Padded Foot)   Vibratory Roller   Other (Specify)    Observations and Comments  Write something  Compaction Test Reports (e.g., Proctor, Density)  La Upload File  Verification Status Pass Fail Warning  Warning	Compaction Equipment Used	
Roller (Padded Foot)   Vibratory Roller   Other (Specify)    Observations and Comments  Write something  Compaction Test Reports (e.g., Proctor, Density)  La Upload File  Verification Status Pass Fail Warning  Number 1  Pass Warning  Pass Pail Warning  Pass Pail Pail Pass Pail Pass Pail Pass Pail Pass Pail Pass Pass Pass Pass Pass Pass Pass Pas	☐ Plate Compactor	
Vibratory Roller   Other (Specify)    Observations and Comments  Write something  Compaction Test Reports (e.g., Proctor, Density)  Light Upload File  Verification Status Pass Fail Warning  Warning	Roller (Smooth Drum)	
Observations and Comments  Write something  Compaction Test Reports (e.g., Proctor, Density)  Upload File  Verification Status Pass Fail Warning	Roller (Padded Foot)	
Observations and Comments  Write something  Compaction Test Reports (e.g., Proctor, Density)  Upload File  Verification Status Pass Fail Warning	☐ Vibratory Roller	
Write something  Compaction Test Reports (e.g., Proctor, Density)   Lupload File  Verification Status  □ Pass □ Fail □ Warning	Other (Specify)	
Compaction Test Reports (e.g., Proctor, Density)  L Upload File  Verification Status Pass Fail Warning	Observations and Comments	
Verification Status Pass Fail Warning	Write something	
Verification Status Pass Fail Warning		
Verification Status Pass Fail Warning		
Verification Status Pass Fail Warning	Compaction Test Reports (e.g. Proctor Density)	
Verification Status  Pass Fail Warning		
Pass Fail Warning		
Fail Warning	Verification Status	
☐ Warning	Pass	
	Fail	
Inspector Signature	Warning	
	Inspector Signature	