

EZBase™

SECONDARY ROAD IMPROVEMENT

This use guide is a general instruction for installing EZBase® to improve secondary road surfaces and should not be used in place of project specific engineering direction.

General Construction Procedure

1. Material Handling and Storage
 - a. Once delivered to the job site, EZBase should be placed and compacted as soon as possible.
 - b. Appropriate measures should be taken by the installer to minimize dusting and storm water control from staged EZBase at the job site.
2. Initial Preparation
 - a. By either reshaping the drainage ditch or undercutting the road bed, create a berm on both sides of the road to contain the EZBase (**Figure 1**). The prepared road bed area where the EZBase will be placed must be so that the compactor can reach the entire surface area of the EZBase .
 - b. Perform further shaping required to obtain crown and grade.
 - c. It is recommended that the sub-base surface be damp prior to the placement of EZBase to prevent excessive loss of moisture due to absorption.
3. Product Installation
 - a. Directly apply the specified amount of EZBase on top of the prepared section as directed by the engineer.
 - b. A compacted single layer of EZBase should not exceed 6 inches. If design requires additional thickness, then layers should be installed 6 inches at a time. Additional layers should be installed within 72 hours of the previous and the under layer surface should be dampened before applying the next layer.
 - c. Evenly distribute the EZBase. Use of a motor grader or bulldozer is suggested to get even distribution. (**Figure 2**)
 - d. Special care should be taken to avoid deposition of EZBase in adjoining ditches or swales. **Remove any loose EZBase from ditches or swales.**



Figure 1



Figure 2

4. Compacting

- a. Utilize compaction equipment until the desired density is achieved. All surface area of the installed EZBase should be compacted, no loose EZBase should remain.

Note: Some contractors have found that the use of a pneumatic tire roller is beneficial in achieving the required level of compaction. (**Figure 3**)

- b. After compaction, the material is capable of handling immediate traffic.

5. Finishing

- a. Dress and finish as required



Figure 3

Testing Improved Surface

When testing density with a nuclear gauge, it is suggested that the soil moisture be determined using a speedy moisture gauge or a laboratory oven method due to the false moisture readings the nuclear gauge may get from EZBase. It is suggested the density be calculated manually using the external moisture reading or that the gauge is adjusted by following the manufacturers instructions. (**Figure 4**)



Figure 4

Resurfacing in Place Material

If the road surface begins to deteriorate over time, the material can be refinished by wetting the top surface and using a motor grader to shave the top layer.

Important Limitations

- The Florida Department of Environmental Protection recommends that EZBase, either alone or mixed with other materials, should not be used in contact with ground water or surface water bodies. JEA recommends a six inch (6") separation of EZBase from the seasonal high water table.
- Do not use EZBase to displace water on the job site as it will affect the curing process and the performance properties.
- Do not arbitrarily mix EZBase with other construction materials other than the natural soil or natural aggregate.
- EZBase will install without problem in light to moderate rain. However, it is suggested that if heavy rain is expected during the planned installation time, the installation should be rescheduled.



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