

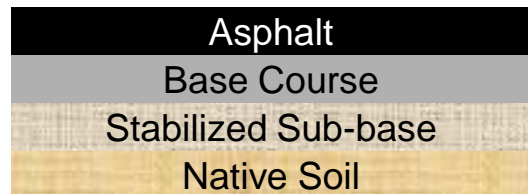
EZBase⁺ PLUS[®]

STABILIZED BASE COURSE INSTALLATION

This use guide is a general instruction for installing EZBasePlus as a stabilized base and should not be used in place of project specific engineering direction.

EZBasePlus is EZBase blended with other materials to increase the mechanical properties, and reduce the moisture sensitivity of pure EZBase. EZBasePlus has been successfully blended with limestone, granite, coquina, sand (A-3 & dredge spoils), recycled asphalt (RAP) and slag with excellent results. Very large high volume/high loading base applications have been constructed utilizing EZBasePlus.

Typical installation cross section



General Construction Procedure

1. Material Handling and Storage
 - a. Once delivered to the job site, EZBasePlus should be placed and compacted as soon as possible.
 - b. Appropriate measures should be taken by the installer to minimize dusting from staged EZBasePlus as the job site.
2. Initial Preparation
 - a. Sub-base should be prepared by following the EZBase Sub-base Stabilization instruction or per project engineering specification. (Figure 1)
 - b. It is recommended that the sub-base surface be damp prior to the placement of EZBasePlus to prevent excessive loss of moisture due to absorption.
3. Product Installation
 - a. Directly apply the specified amount of EZBasePlus on top of the prepared Sub-base. Special care should be taken to avoid deposition of EZBasePlus in adjoining storm drains, ditches or swales. (Figure 2)
 - b. A compacted single layer of EZBasePlus 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.



figure 1



figure 2

4. Placing/Compaction

- a. Utilize compaction equipment until the desired density is achieved. Note: Vibratory methods are not recommended. 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. Additional strength will increase with time.



figure 3

5. Finishing

- a. Before applying a final wear surface, the installed base course should be swept to remove any dust and debris.
- b. **Important: EZBasePlus requires an FDOT approved asphaltic prime coat when asphalt is to be applied. An FDOT approved tack coat is recommended as well. The application rate for the tack should be no more than 0.05 gallons per square yard and no less than 0.02 gallons per square yard.**
- c. Dress and finish as required

Testing Base Course

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 EZBasePlus. 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

Important Limitations

- The Florida Department of Environmental Protection recommends that EZBasePlus, 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 EZBasePlus from the seasonal high water table.
- Do not use EZBasePlus to displace water on the job site as it will affect the curing process and the performance properties.
- Do not arbitrarily mix EZBasePlus with other construction materials other than the natural soil or natural aggregate.
- EZBasePlus 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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