

**EMC**  
S Q U A R E D



**INTERMODAL CONTAINER  
TRANSFER FACILITY (ICTF)**

**EMC SQUARED® System - Subgrade Moisture Barrier**





EMC SQUARED BEING MIXED WITH NATIVE SOIL ▲

FINISHED INTERMODAL YARD IN USE ▼





## EMC SQUARED UNDER COMPACTION ▲

barrier to rain water

barrier to atmospheric effects

**EMC SQUARED® Moisture Barrier**

barrier to upward migration of water

barrier to evaporation

Soils treated with **EMC SQUARED** System applications have a lower permeability and a lower suction, or moisture susceptibility, than the untreated soils below, with the results being that subgrade soil stabilized with the **EMC SQUARED** System treatment will not soak up water from the soil below.

The Intermodal Container Transfer Facility (ICTF) in Carson, California, is one of the world's largest and busiest facilities for the transfer of shipping containers between ocean going ships and rail transport. Located in proximity to the Port of Los Angeles and Port of Long Beach, the local high groundwater conditions are further complicated by a major water conveyance channel adjacent to the ICTF site. Building on top of deep deposits of silty clay soils known for their susceptibility to saturation with water moving upward by capillary action, design engineers specified EMC SQUARED System treatment of fifteen-inches of soil to function as a moisture barrier (a capillary break) in order to maintain a stable platform for the pavement structural section.

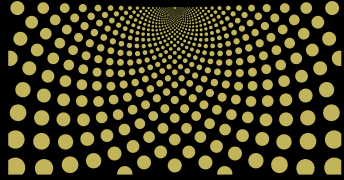
**Project:** ICTF Truck Parking Area

**Location:** Intermodal Way, Carson, California

**Engineering Design Consultants:** HDR Engineering Inc.

**Structural Section:** 6 inch Asphalt (AC Paving)  
9 inch Aggregate Base (AB)  
15 inch Stabilized Subgrade  
(EMC SQUARED System)





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## **Stabilization Products LLC**

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