



# Proposal tech support request

***AggreBind (AGB) reply in red to***

Potential Project

Container Storage Lot

# Problems

- Every year they have to bring in aggregates and compact every 4 months.
- Dust is controlled by spraying water 12 hrs a day.
- Traffic area is strongly damaged very quickly especially in rainy season.

## For Dust Control

1. **Spray the surface first with 1 ltr of water per m<sup>2</sup> of surface area.**
2. **Spray the surface again with a mixture of 0.5ltr AGB mixed with 1 ltr water.**
3. **Compact the surface with a smooth drum road roller with no vibration.**
4. **Open to traffic after 1 hour.**
5. **This will produce a 50mm (5cm) durable, load bearing, dust free, surface layer.**
6. **Note that heavy treaded tires will breakdown the surface quite quickly. When this happens simply top-up those exposed areas.**

# General Information

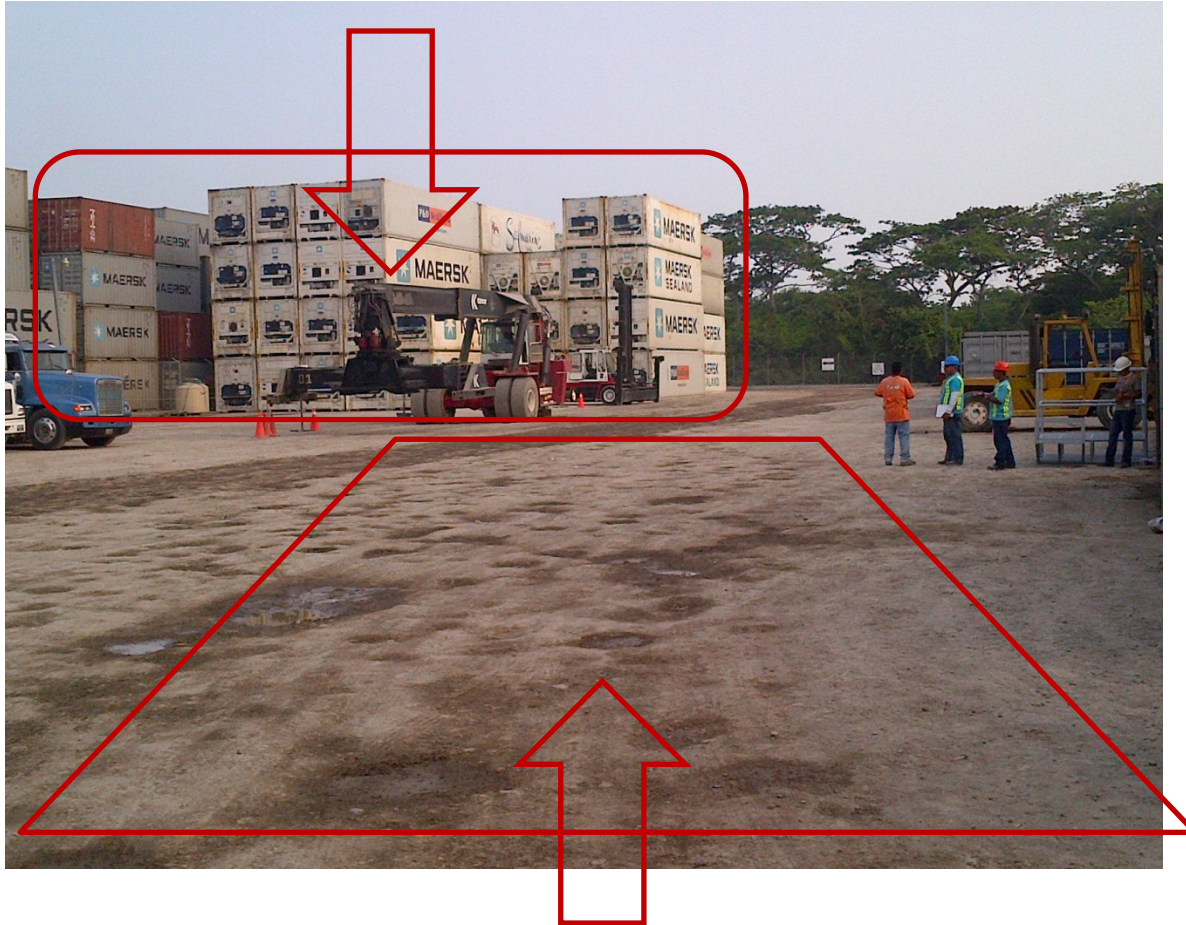
- A proposal divided in two areas is requested by the client, one for streets and other for container storage.
- Streets: 13,700 Mt<sup>2</sup>
  - Max weight of loaded equipment on streets:  
**75tons. (loaded reach stacker)**

Reach Stacker (empty weight: 40 tons,  
Loaded at Max: 75 tons)

- **Soil Stabilize as:**  
4 ltr of AGB/m<sup>3</sup> to depth of 20cm.
- **Topseal as:**  
0.30 ltr of AGB/m<sup>2</sup> in stacking areas.
- **In machinery areas apply two topseals  
of 0.25 ltr or 0.30 ltr/m<sup>2</sup> (preferred).**



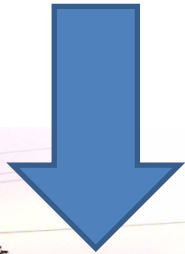
- Container Storage: 28,258 Mt<sup>2</sup> Max weight at top capacity: 100 tons.  
**Soil Stabilize as 4 ltr of AGB/m<sup>3</sup> to depth of 25cm per protocol.**  
**Topseal as 0.30 ltr of AGB/m<sup>2</sup> in stacking areas per protocol.**



**In machinery areas apply two topseals of 0.25 ltr or 0.30 ltr/m<sup>2</sup> per protocol.**



Entrance to Container Storage Lot



- This is a high traffic area.
- Calculate the max weight and go to the appropriate depth, 20cm or 25cm.
- Use two topseals, as the truck traffic with heavy treaded tires will cause wear.



## Overall View....



Close up of aggregates found... seems like a good combination of fines and coarse aggregates.



**Typically existing Storage Lots have a good compacted base from the repeated use/traffic of the heavy weight vehicles.  
*A soil analysis is always recommended.***

# Tech Questions

- How deep should we go with AGB on the two different areas?

**Each area has a different weight load and different usage.**

- Could we use 20 cms on all of it?

**Use 20cm and 25cm according to weight load and per protocol.**

- How dense do you think the top seal should be in order to avoid the removal of top seal by the still movement of directional tires on the loaded reachstacker.

**The reachstacker causes profound shearing-action on the surface.**

**In areas of equipment use there must be two topseals of 0.30ltr AGB/m<sup>2</sup> according to protocols.**

**These areas will require monitoring for excessive wear.**

**When wear is seen, manually add topseal to the spotted area.**