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 m2 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$^2$
  
  – 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$^3$ to depth of 20cm.

• Topseal as:
  0.30 ltr of AGB/m$^2$ in stacking areas.

• In machinery areas apply two topseals of 0.25 ltr or 0.30 ltr/m$^2$ (preferred).
• Container Storage: 28,258 Mt² Max weight at top capacity: 100 tons.

Soil Stabilize as 4 ltr of AGB/m³ to depth of 25cm per protocol.

Topseal as 0.30 ltr of AGB/m² in stacking areas per protocol.

In machinery areas apply two topseals of 0.25 ltr or 0.30 ltr/m² 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.
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/m2 according to protocols. These areas will require monitoring for excessive wear. When wear is seen, manually add topseal to the spotted area.