



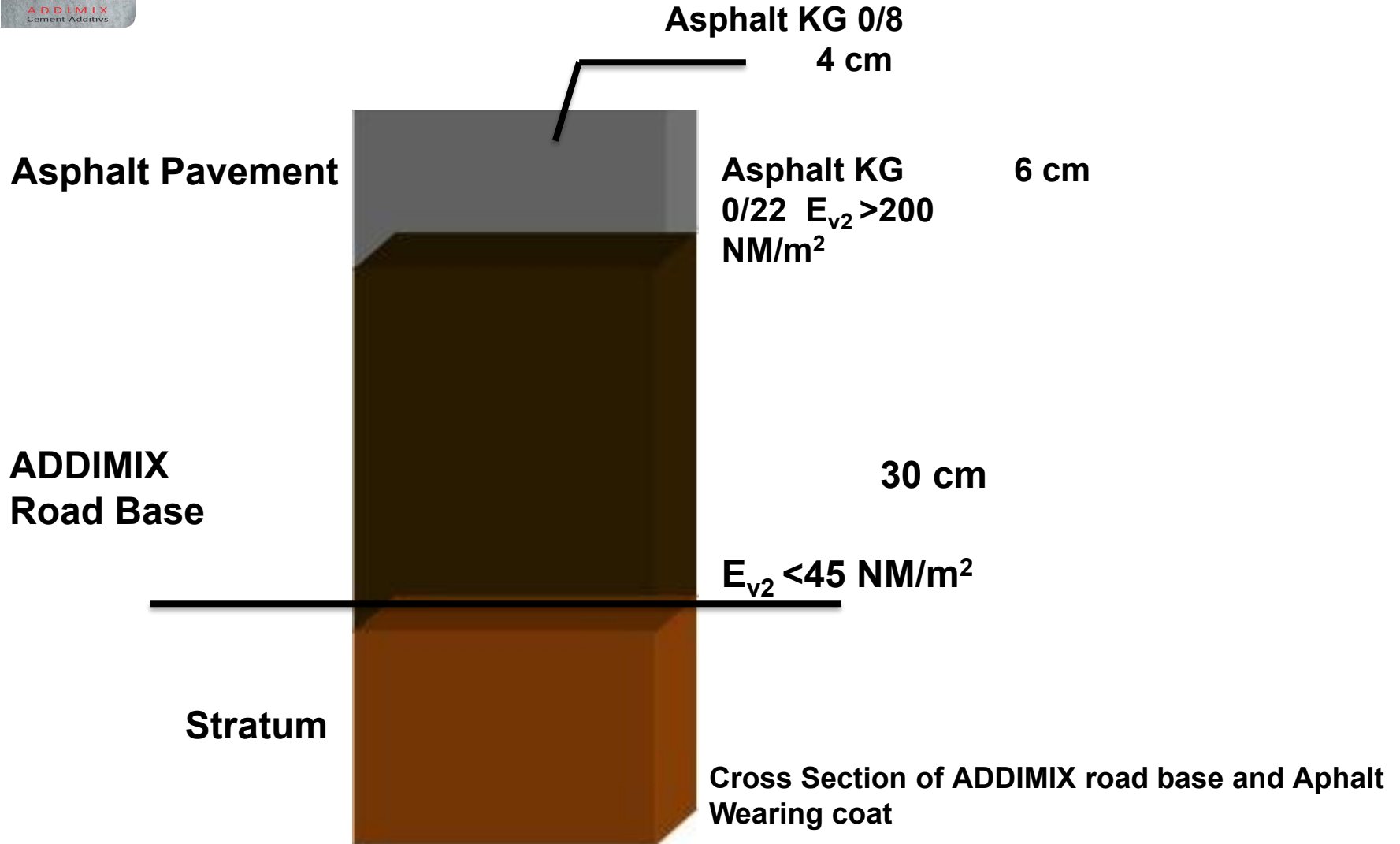
Rehabilitation Work on a Main Road Worldwide

Lindenberg in Allgau Germany



View of the site in Lindenberg, Allgau

Lindenberg in Allgau Germany



Lindenberg in Allgau Germany



Delivery of the special binding Agent to the building site by a silo truck

Lindenberg in Allgau Germany



The WRS 2500 working during the mixing process with irrigation unit (tractor with water tank)

Lindenberg in Allgau Germany



The ADDIMIX road base is being compacted with steel jacket road roller

Lindenberg in Allgau Germany



The top of the compacted road base is fine leveled by a grader



Rehabilitation Work at the High Speed Track at ATP LLC Laredo Proving Ground-Texas for Daimler Chrysler AG

ATP LLC Laredo -Texas



Geology of Laredo Texas

ATP LLC Laredo -Texas



**Destroyed high speed track at auto testing property in
Laredo-Texas**

ATP LLC Laredo -Texas



Conventional road construction at the high speed track. The road base consist of a 25 cm thick conventional cement stabilization and 5 cm asphalt wearing coarse. At the base of this construction exists a french drainage to drain the ground water and rain water to the side.

ATP LLC Laredo -Texas



Ground water collected by a french drainage system

ATP LLC Laredo -Texas

Asphalt Layer 5 cm

$E_{v2} > 250 \text{ MN/m}^2$

ADDIMIX
Road base

25 cm

$E_{v2} < 40 \text{ MN/m}^2$

Sub soil/ Stratum

Construction advice for the rehabilitation work at
ATP LLC Laredo- Texas

ATP LLC Laredo -Texas



**The existing asphalt layer is being destroyed
and removed by grader and a scraper**



ATP LLC Laredo -Texas



The soil is irrigated by a water tank to increase the natural water content



A silo truck is distributing the cement powder by the use of spray bar



ATP LLC Laredo -Texas



Distribution of ADDIMIX on top of cement



Milling machine mixes the ADDIMIX additive with cement and soil

ATP LLC Laredo -Texas



After the mixing process the ADDIMIX & cement base must be irrigated once more. The next step is dynamic compaction of the base with steel jacket road roller. The fine leveling of the surface is done by grader.

ATP LLC Laredo -Texas



Deans ADDIMIX Road is ready for use



Rehabilitation Works on the Road K6106-Recycling of the Asphalt Layers and the Road Base-Germany

Rehabilitation Works on Road K6106-Germany



The Asphalt layer of the Road K6106 is being destroyed by a milling crusher

Rehabilitation Works on Road K6106-Germany



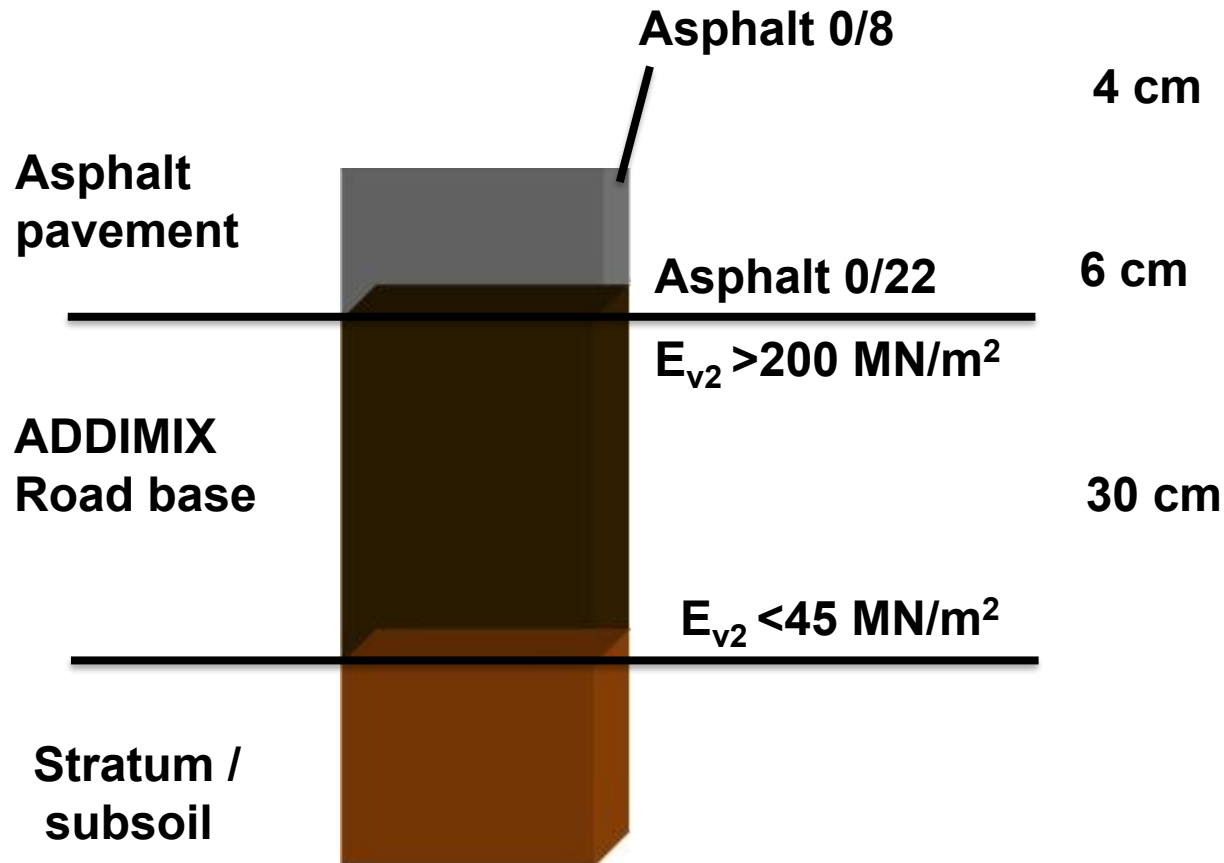
The use of a ``hammerbrecher`` (mobile crusher). The broken asphalt and the road base is pulverized and as a result of a pulverization, the grain size is homogenised.

Rehabilitation Works on Road K6106-Germany



The pulverized and homogenized asphalt and the road base is covered by a spreader unit with the binding agent ADDIMIX

Rehabilitation Works on Road K6106-Germany



Sketch of the ADDIMIX road base and Asphalt wearing coat

Rehabilitation Works on Road K6106-Germany



ADDIMIX binding agent, broken asphalt & road base is mixed by a mixing unit consisting of a tractor and a soil stabilizer. After the mixing process is finished the, the Deans InfraCrete road is compacted with the help of a steel jacket road roller.

Rehabilitation Works on Road K6106-Germany



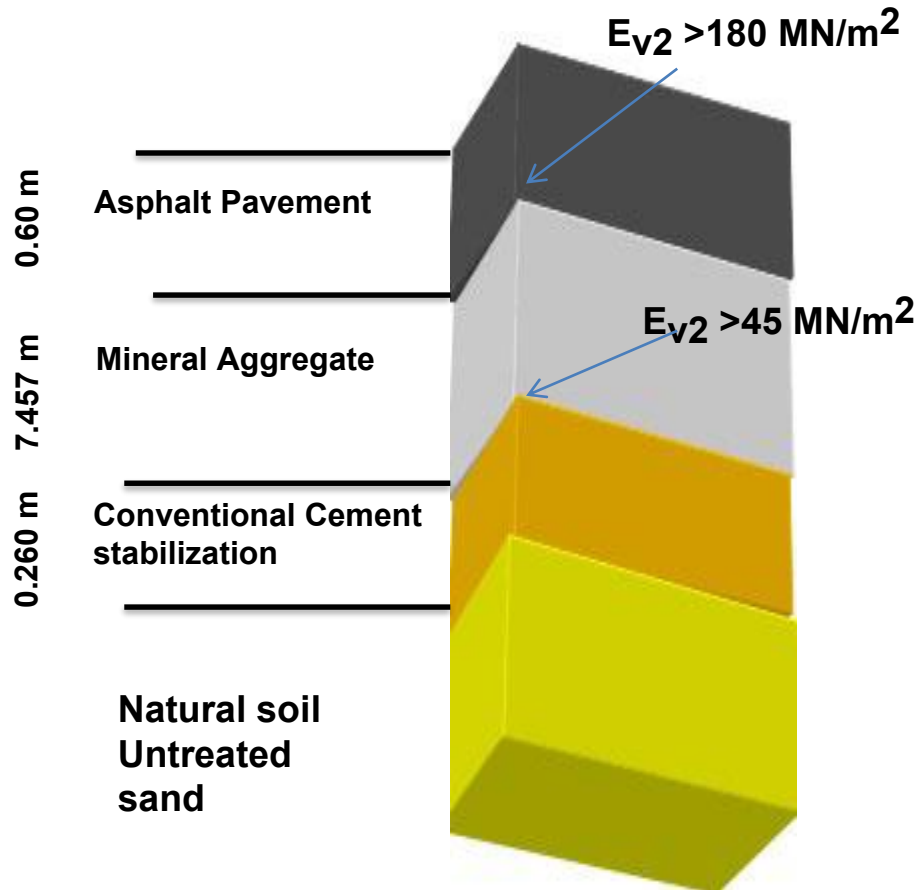
After the compaction of ADDIMIX- road base. The different asphalt layers are glued by a primer on top of the ADDIMIX base



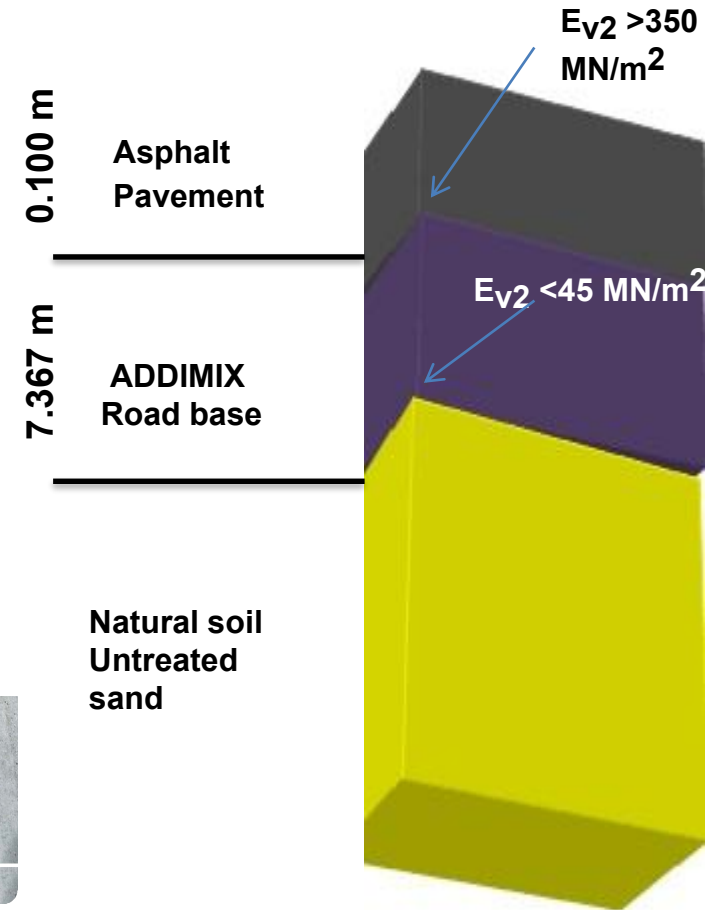
New timber yard for the company Klenk Holz AG near Berlin

New timber yard for the company Klenk Holz AG near Berlin-Germany

Traditional Construction



Deans InfraCrete Construction



Traditional road construction in comparison with ADDIMIX Construction

New timber yard for the company Klenk Holz AG near Berlin-Germany



Building site in Baruth has a size of 35000m²

New timber yard for the company Klenk Holz AG near Berlin- Germany



Subgrade leveling by grader



The sub grade is being irrigated because the dry weather conditions in summer has reduced the natural water content extremely

New timber yard for the company Klenk Holz AG near Berlin- Germany



Cement spreader distributing the binding agent on the surface of stabilization layer

New timber yard for the company Klenk Holz AG near Berlin- Germany



The milling cutter type Wirtgen WR 2500 mixes the ADDIMIX binding agent with the soil

New timber yard for the company Klenk Holz AG near Berlin- Germany



And the soil is mixed with ADDIMIX binding agent, a steel jacket road roller is dynamically compacting the base of the timber yard

New timber yard for the company Klenk Holz AG near Berlin- Germany



The laser driven grader fine leveling the compacted surface of the timber yard

New timber yard for the company Klenk Holz AG near Berlin- Germany



The base of the new timber yard was used during the construction period for transportation, storage and construction work without a wearing coat

New timber yard for the company Klenk Holz AG near Berlin- Germany



Contact area between curbstones and ADDIMIX road base

New timber yard for the company Klenk Holz AG near Berlin- Germany



The Strabag AG gets the contract for the Asphalt pavement work. The Asphalt carpet has a thickness of 10 cm and is fixed with primer on top of binding agent road base

New timber yard for the company Klenk Holz AG near Berlin- Germany



**A carrier with an axel load of 120 moving over the
ADDIMIX road base**



Construction of a new refuse skip terminal for the city of Marburg

City of Marburg

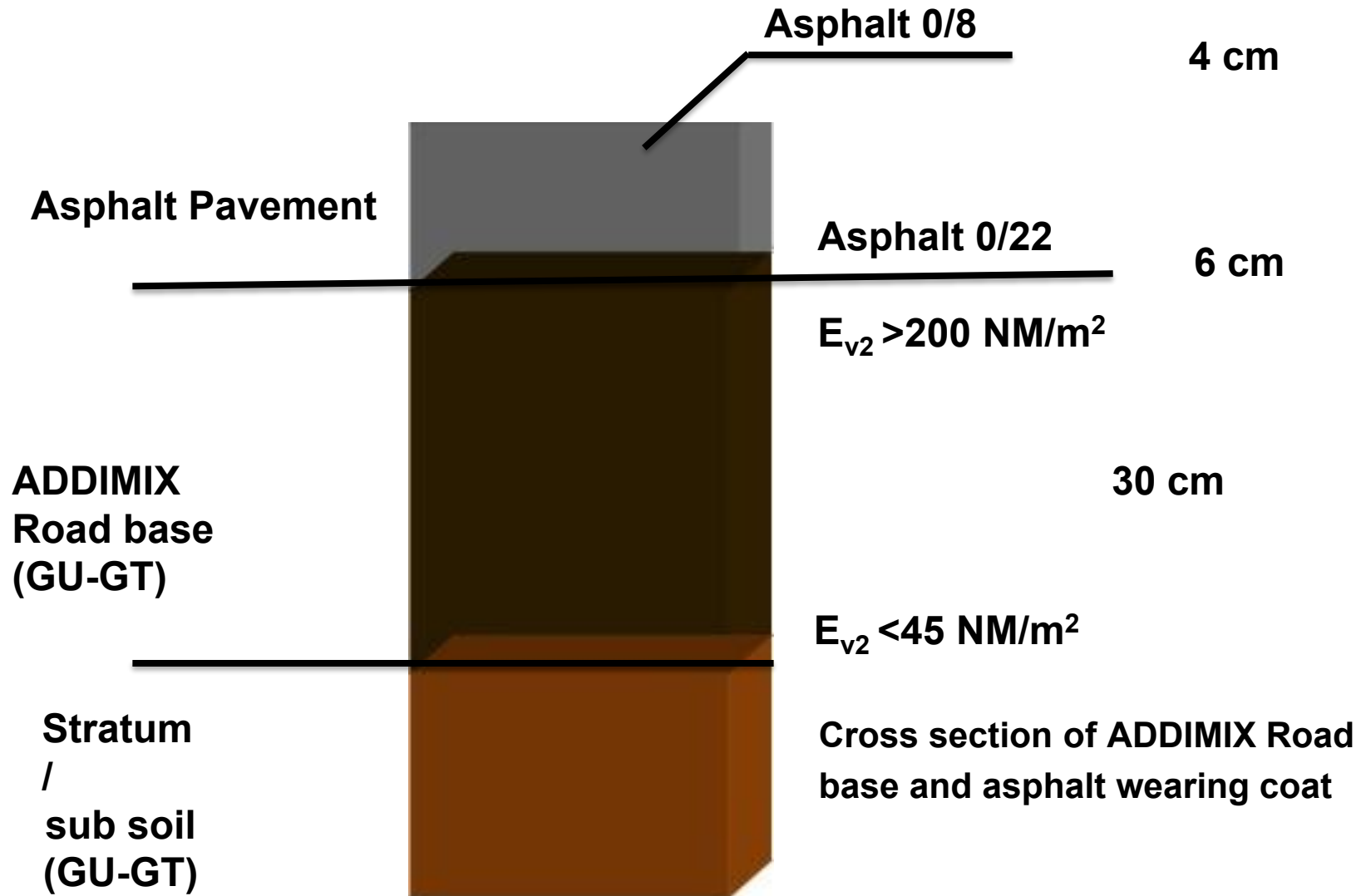
Construction of a new refuse skip terminal



**Industrial estate near the city of Marburg. The industrial estate is created over a non
comacted waste disposit. In the following years, the settlemtes destroyed the surface of
streets, parking areas etc.**

City of Marburg

Construction of a new refuse skip terminal



City of Marburg

Construction of a new refuse skip terminal



The ADDIMIX binding agent is being spread on top of the preleveled surface. In the second step a soil stabilizer is mixing the Binding agent with the filling.

City of Marburg

Construction of a new refuse skip terminal



Irrigation of the mixed soil



View of the ADDIMIX binding agent base

City of Marburg

Construction of a new refuse skip terminal



After the mixing process is finished, a steel jacket road roller starts with a dynamic pre compaction of the ADDIMIX binding agent road base. In the next step grader is leveling the pre compacted surface

City of Marburg

Construction of a new refuse skip terminal



View of the 2 years old asphalt carpet on top of the Deans InfraCrete layer/ road base. As a result of the construction / characteristics of the ADDIMIX bases. There are no cracks and no pot holes in the asphalt carpet.



Construction of unpaved forest roads at the building site Babimost-Poland

Forest Roads at Babimost- Poland



The spreading unit is loaded with the binding agent **ADDIMIX**

Forest Roads at Babimost- Poland



Unstabilized forest road at the building site

Forest Roads at Babimost- Poland



The ADDIMIX is mixed by WRS 2500 with the soil to a depth of 0.25m. The water tank is in front of the milling cutter connected by a plastic tube with the pumping unit of WRS 2500.

After the compaction a final irrigation prevents the cracks in the road base

Forest Roads at Babimost- Poland



The steel jacket road roller compacting the ADDIMIX road base

Forest Roads at Babimost- Poland



Fresh compacted ADDIMIX unpaved forest road

Forest Roads at Babimost- Poland



The forest road after one year and a very frosty winter period (-30°C)



Construction work on a new factory building in Beek en Donk, The Netherlands

New factory building in Beek en Donk



Construction site is being prepared for the stabilization work

New factory building in Beek en Donk



Spreading of the binding agent Deans InfraCrete. The ADDIMIX-cement mixture is blended by wirtgen WRS 2500 with the soil.

New factory building in Beek en Donk



The tensile strength test is carried out on the stabilized surface to determine the maximum tensile strength of the anchors, which has fixed the steel columns of the industrial building in the ADDIMIX base.

New factory building in Beek en Donk



The steel columns of the industrial facility are assembled on the ADDIMIX base by a mobile crane.

New factory building in Beek en Donk



The newly constructed hall rests on the ADDIMIX base. The columns have been anchored directly on the stabilized surface

New factory building in Beek en Donk



Drilling cones were sampled out of the ADDIMIX base, to measure the compressive strength.

New factory building in Beek en Donk



Driling cones were Sampled from the ADDIMIX base



Equitorial Guinea-Malabo K5 Oil Centre Jetty Extension

Equitorial Guinea-Malabo K5 Oil Centre Jetty Extension



Land reclamation with dredged marine sand at the construction site in malabo

Equitorial Guinea-Malabo K5 Oil Centre Jetty Extension



Land reclamation works at the construction site. In the background a dredging ship spills the dredged marine sand out.

Equitorial Guinea-Malabo K5 Oil Centre Jetty



A cement spreader distributes the pure cement powder on top of the stabilization layer.



With an agricultural equipment ADDIMIX powder is spread on top of the cement layer.

Equitorial Guinea-Malabo K5 Oil Centre Jetty Extension



The binding agent consists of ADDIMIX and cement is mixed into the soil by WR 2500. the soil stabilizer is pushing the truck with water tank for the immediate irrigation of the stablization layer. Water taknker is connected with the WRS 2500 through a hose pipe.

Equitorial Guinea-Malabo K5 Oil Centre Jetty



After the dynamic compaction with a steel jacket road roller, the surface of the ADDIMIX base gets the final leveling by a laser driven grader.

Equitorial Guinea-Malabo K5 Oil Centre Jetty



After 48 hours, the ADDIMIX base is ready for use.



ADDIMIX Economics

- **No soil exchnage with transportation costs is required**
- **No cost for buying crushed material for road base with additional transportation cost**
- **Short construction period**
- **Road can be used after 2 days**
- **Deans InfraCrete increases tensile, compressive strenght and elasticity**
- **Size of the bases can be reduced because the Deans InfraCrete base has a very load bearing capacity. Bases are stable, durable and water impermeable**
- **Less stress on the environment and reduced cost of transportation**
- **Lower construction and cost of maintainence**
- **It even stabilizes humus rich soil and fly ash etc.**



With **ADDIMIX**

- **Better**
- **Faster**
- **More secure**
- **More environment friendly**
- **Cheaper**

Than conventional construction Method

**Thankyou for
your kind
Attention !**