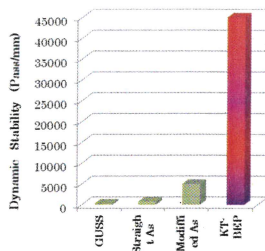


## Epoxy-Asphalt Pavement for Steel Plate Deck

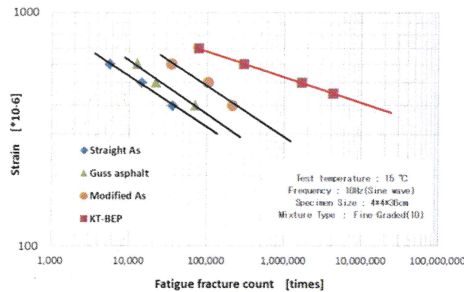
# KT-BEP & KT-HYP

**KT-BEP** is an additive made of flexible epoxy resin. It is added to the asphalt to create epoxy asphalt compound. It is an excellent pavement material having the flexibility and construction property of asphalt and toughness of epoxy resin.

Dynamic Stability

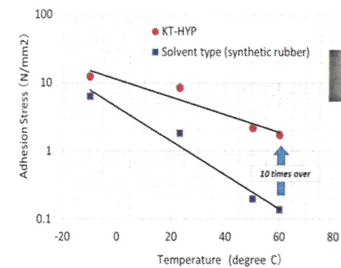


Flexural Fatigue



**KT-HYP** is a special waterproofing adhesive of high elastic epoxy resin. Its characteristics after initial hardening is softening and dissolution through heat of the heated asphalt mixture within a certain time. Moreover, hardening of resin is promoted by heat of the asphalt mixture after the paving and it exerts the function immediately.

Adhesion Stress of KT-HYP



Shot Blasting



Painting KT-HYP



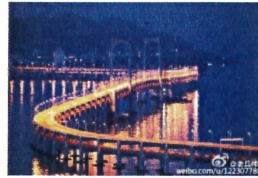
Addition KT-BEP



Paving of KT-BEP



### 2015 Track Record of KT-BEP



株式会社 近代化成  
Kindai Kasei Corporation

KINDAI KASEI CO., LTD.



THETAKIGAMI STEEL CONSTRUCTION CO., LTD.

TEL: +63-2-750-5776 E-mail: kasuya@takigami-grp.jp

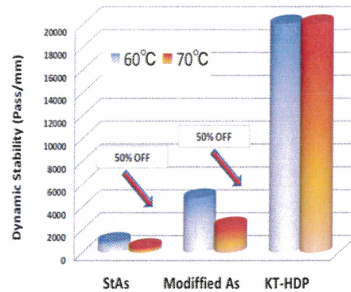
## Hyper Durability Pavement

# KT-HDP

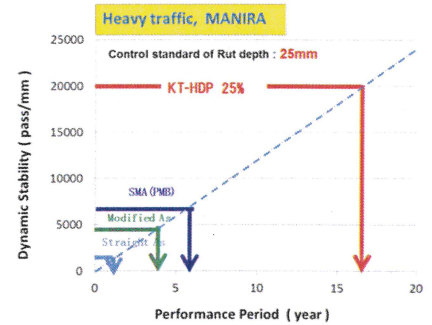
We developed the epoxy asphalt pavement (**KT-HDP**) additive for heavy traffic road, tunnel road and airport application for the repair of concrete road. **KT-HDP** pavement additive is effective due to its excellent characteristics other than the steel slab pavement. KT-HDP is developed as high durability pavement additive on normal portion wherein fatigue stress is not applied

### Dynamic Stability

This is the result of wheel tracking test conducted on 70°C which is normally done on 60°C while assuming the hot climate country. According to this, normal asphalt deteriorates the strength by half on 70°C only while epoxy asphalt does not deteriorate on 70°C and exerts high fluid resistance.

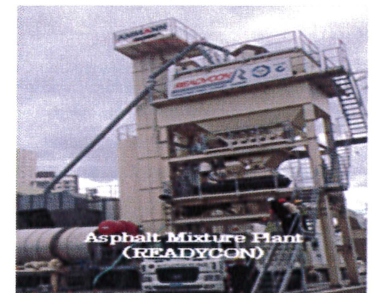
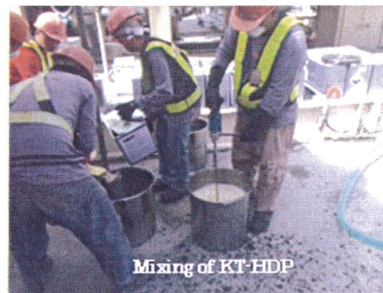


### Life cycle of Pavement



### Pilot-Construction of KT-HDP in Philippine

1. Date: January 21-22, 2015
2. Place: South Luzon Expressway (kp 44.45 - 44.55, NB) In front of MATES Office
3. Construction Scale: Width 3.7m, Length 100m, Thickness 50mm



### Monitoring (2015.Oct.27)

