**Traffic engineering inspection center of Ministry of Transport Science Research Institute**

**Inspection report**

**MMA two-component reflective road marking paint**

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| **Test item** | | | **Technical requestment** | **Test result** | |
| **Test value** | **Single conclusion** |
| State in a container | | | No caking,No crusting, and easy to mix. | Meet the requestment | qualified |
| Density(g/cm3) | | | 1.5~2.0 | 2.0 | qualified |
| Construction performance | | | After mixing A and B components in a certain proportion according to the requirements of the production plant, the construction performance of spraying and scraping is good. | Meet the requestment | qualified |
| Coating appearance | | | After coating curing, the film should be no wrinkles, no spots, no blster, no crack, no fall off and no stick phenomena, film color and appearance compared with pattern should be have no big difference | Meet the requestment | qualified |
| Cure time (min) | | | </= 35 | 35 | qualified |
| Chromaticity | White | Chromaticity coordinate (x,y) | (0.350,0.360);(0.300,0.310);  (0.290,0.320);(0.340,0.370) | x=0.323  y=0.342 | / |
| Luminance factor | >/= 0.75 | 0.86 | / |
| Abrasion Performance / mg (200r/1000g reduce weight) | | | </= 40(JM-100 elastic grinding wheel) | 21 | qualified |
| Anti-watering | | | Immersed in water for 24 hours should be no abnormal phenomenon | Meet the requestment | qualified |
| Anti-alkali | | | Immersed in calcium hydroxide saturated solution for 24 hours should be no abnormal phenomenon | Meet the requestment | qualified |
| Glass beads content(%) | | | 18 - 25 | 25 | qualified |