

Description of adopting Thermo Shield applied to the subway station, Busan, Korea

1. Purpose :

It is likely that toxic gas cause widespread loss of life, when a fire occurs out in subway, and also even though it runs normally, toxic substances in subway like VOC can lead to diseases of the respiratory organs, because it's closed and underground. As a solution to fire and air pollution, we adopted and applied Thermo Shield products.

2. Application :

□ 2-2 section of works : all of stations, total 18 stations, 70,000 m² in area.
(Bujeon Station through Haeundae Jangsan Station)

3. Results (4 years later)

- (1) Satisfactory
- (2) Current Status of Stations attached 7

4. Supplier: Thermo-Shield Korea Co., Ltd.

2005. 01. 20

Lee, Yong Bub, The head of Construction 1 Division,
Busan Urban Transit Authority

Signature :



A Report for confirming materials applied to repair construction for subway stations, Busan, Korea

1. Item : SPM Thermo-shield Roof
2. Application : Line No 1, Busan(Busan City Hall & Hadan Station) 1,796 m² in area.
3. Purpose :

As we learned from the fire case in subway, Daegu, when the fire burns out, toxic gas causes widespread loss of life, therefore we set up the performance standards for selecting materials for Line No. 1 as follows.

- ① A - Class Nonflammability
- ② No toxic gas in a fire
- ③ No toxic substances like V.O.C
- ④ Superior Resistance to Pollution.

The standard is for the purpose of acquiring the public safety and also maintaining and repairing the facility.

4. Results
- Satisfactory
5. Appendix
 - ① A draft of repair construction in subway and a progress report
 - ② Current status a year and half later after construction
6. Supplier : Thermo-Shield Korea Co., Ltd.

2005. 01. 20

Son, Sang Seok, The Construction Supervisor,
Busan Urban Transit Authority

Signature :

