

To the media:

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Development of EPS Slope, a Lightweight Leveling Ramp

Sekisui Plastics Co., Ltd. (Head Office: 2-4-4 Nishi-tenma, Kita-ku, Osaka, Japan; President: Masato Kashiwabara) and Metropolitan Expressway Co., Ltd. jointly developed an emergency lightweight ramp that can circumvent uneven roads caused by disasters.

Background

Sekisui Plastics proceeded with a joint development of the emergency ramp with Metropolitan Expressway Co., Ltd. while they are reviewing methods for circumventing uneven roads in response to the recent revision of the Basic Act on Disaster Control Measures.

Conventionally, the soil-bag + steel-plate method was commonly used to circumvent uneven roads; however, these materials are very heavy and require much labor to set up. In particular, transporting and installing steel plates requires a vehicle equipped with a lifting device, therefore it can be difficult to access work sites in disaster zones.

In order to overcome these difficulties, we developed the EPS Slope, a lightweight leveling ramp, which can be transported and installed by a small number of people in a short time as well as can withstand ongoing car traffic including large vehicles

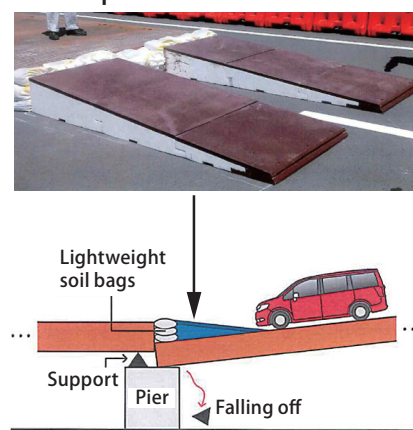
Features of the EPS Slope

- ◎ By combining expanded polystyrene (EPS), a lightweight material having high compressive strength, with a surface protective material, it can resist continuous large vehicle traffic.
- ◎ The EPS Slope can be separated into three parts for storage and also can be transported and installed by a small number of people due to its light weight. (The maximum weight per unit is approximately 30 kg / 66 lb.)

Future Development

In order to contribute to society during times of disaster, we will actively propose the EPS Slope to national/local public organization and other expressway companies, continued from the Metropolitan Expressway Co., Ltd.

EPS Slope



How to circumvent unevenness on a bridge