

# **Development of the Protection Sheet for Embankment Slopes Using Non-halogen Materials**

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In Railway Technical Research Institute, a polymeric sheet, which can prevent the luxuriant growth of weeds and the collapse of embankments by the osmosis of rain water, was developed. And it has been used at many places. However, it is problematic to use the sheet made from halogen materials which generate toxic substances when the sheet is burnt for disuse. Recently, due to this problem, the manufacture of the sheet has been difficult. Therefore, we developed a new protection sheet using non-halogen materials.