

Watertightness and safety of dams by geomembranes

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SYNOPSIS. Impervious prefabricated geomembranes are a well-established technology to provide or restore watertightness in dams. Since 1959, they have been installed on all types of dams worldwide. The paper gives an overview of how the geomembrane systems have been applied and perform on different types of dams. Some significant case stories on concrete gravity dams, masonry dams, fill dams, RCC dams are presented.