

Ground Anchors with High Corrosion Resistance

Landslide prevention works in the Ashiaraidani near Mt. Yakedake

Located on the Gifu - Nagano border, Mt. Yakedake is an active volcano where eruption has occurred more than 20 times since 1907. Magmatic eruptions have produced tephra, pyroclastic flows, and lava flows from the summit lava dome vents. However, frequent events at Mt. Yakedake have been debris flows, which were related to magmatic activity or may have been induced by steam explosion. Since there are villages in Ashiadaidani only 4-7 kilometers away from Mt. Yakedake, eruption-induced debris flow might pose a serious threat to people lives. Ashiaraidani has many hot springs, and its soil is highly acidic. CFCC ground anchors were used because of its good reputation as a tool to minimize damages caused by landslides.

Client	Hokuriku Regional Development Bureau
Location	Gifu prefecture
Dimension	Anchor length 17.0m - 38.0m (423 anchors)
Material	CFCC1 x 7 ϕ 12.5, Total Length Approx. 54,000m (5/6-multi)
Application	Ground anchors
Completed	Completed 2004 (planned)



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