

## **7. Concrete Surface Treatment Technology by Water-Jet - Development of Concrete Surface Treatment Machine for Wall Including Pillar -**

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It came to often remove a deteriorated paint film with the water jet (hereafter, We express WJ), and in earthquake-proof reinforcement construction and the repair work of the clean water facilities, the concrete surface treatment machine intended for the wall including pillar was developed and produced the aim of the improvement of the quality, the construction efficiency, and the working environment. Moreover, it was possible to experiment on the paint film removal that make a passing speed of the device at which WJ is installed aiming to understand the processing performance quantitatively and concrete strength on the processing side, as a parameter and to propose an efficient construction technique together with the function of the surface treatment machine.

**Key words :** Water jet, paint film removal, earthquake-proof reinforcement, and repair.