

# **The flood from Tile joint is prevented. The repair work asked for an odorless material**

## **Construction outline**

Construction name : "Susitei" Thailand kitchen waterproofing construction

Location: Bangkok suburbs

Use: Restaurant

Order person: Daisho Thailand

Completion: September 5-6, 2003

Construction area: 120m<sup>2</sup>

Construction part: Porcelain tile floor

## **Construction details**

Construction specification: "Civil Trust" application method of construction

Process: 1. floor washing

2. Dryness (There is No Necessity for Full Dryness)

3. First application

4. Second application

5. Dryness Care

## **Part details**

This restaurant serves as a design by which kitchen is arranged in the center of a store at the rotation sushi restaurant. Since the floor of Kitchen was higher about 20cm than the floor of a seat for audience, the water which fell to the floor of kitchen permeated from Tile joint etc., and it flowed into the seat for audience, and was troubled very much with the bad smell. Moreover, concern that the water which fell promotes degradation of basic concrete was also expected.

## **Circumstances of specification selection**

Although the leakage of water accompanied by the bad smell to a seat for audience must be stopped urgently, short time necessary for completion and floors are the conditions of a tile, and the material with a bad smell is forbidden. Furthermore, and correspondence is impossible by the usual waterproofing method of construction. Weight apparatus fixed to kitchen, such as an instrument and a refrigerator, It became adoption of minerals silica with a concrete protection function, and silicone system perviousness water absorption prevention material.

## **The feature of construction**

Thus many conditions were imposed on construction. Therefore although it is the special usage it is made to permeate from Tile joint and the crack and crevice between the joint circumferences and water absorption prevention processing of all the minerals portions other than the low porcelain tile of a water absorptivity is carried out. However, the process was simplified by liquefying this one by this thing, since it is the waterproofing system of the two layer structure

which this method of construction reacts with concrete in fact crystallizes forms a precise silicate layer and forms a silicone layer in the portion still near a surface and constructing, and waterproofing for the bottom of a time necessary for completion shortening and weight thing and the leg was enabled by construction of only an application on the whole surface.

### Specification

Weight apparatus is constructing without moving so that it can judge from a construction photograph. Moreover, it can construct, if it is in the wetting state which is the grade which accumulates in a ground and does not have water, and it is thought that the adaptation range of a method of construction is expandable. Although there is no leakage of water and the deck brush is washing the floor every day now as a result of the watering examination after the completion of construction, leakage of water is not checked but is continuing maintaining waterproof ability.



Construction at a spot

### A future view

If the perviousness water absorption prevention marketed now is roughly divided, it is classified by two kinds, an inorganic system and a water repellency system, and is used according to the application part or the purpose. It has a new appreciation of the usefulness of this kind of material recently, and the adoption to design criteria is increased. However, the spot which an effect cannot demonstrate enough by the construction method which was mistaken with the case is also generated. It is thought a purposes of use exception such as concrete protection from now on that the material of exclusive use comes to be developed by the purposes to be used construction exception of a stone, brick, etc. And he steps up the further efforts and it is made to want to become the spread of perviousness water absorption prevention and an aid towards standardization.



It permeates from joint of a tile.



The application situation in kitchen.