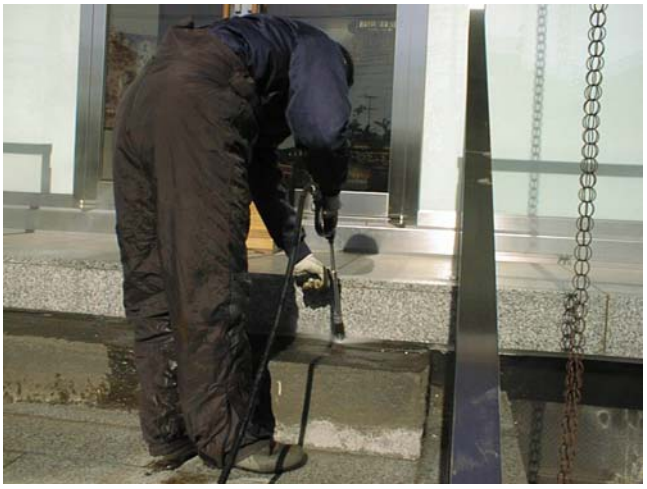
Correspondence Efflorescence.

HYDROPROOF

Efflo droops like a waterfall.

Powerful washing power

efflo is flowing out from the crack.



Efflo removal is carried out with a high-pressure washing machine.

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Correspondence Efflorescence. HYDROPROOF

The next morning after cleaning

The application of Hydroproof WP-MX

The next morning after cleaning (Stairs side)
The lower part and a stone-steps portion

Waterproofing protection processing
construction process

Hydroproof The completion of construction

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Correspondence Efflorescence. HYDROPROOF processing

Efflorescence After removal

Hydroproof The completion of construction

RC side wall after Efflorescence processing

Granite after full processing

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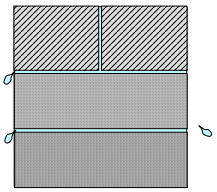
CHEMIX HYDROPROOF

HYDROPROOF processing

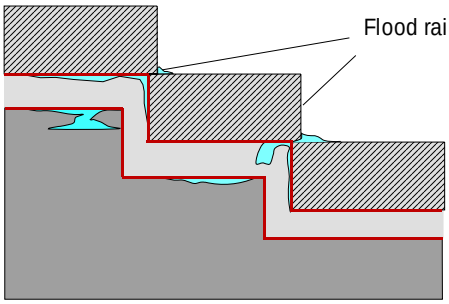
《Processing of Efflorescence》

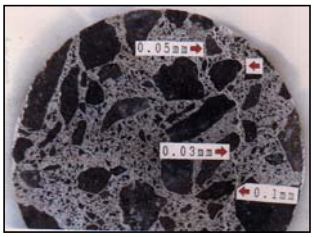
Stairs section

Pouring plug



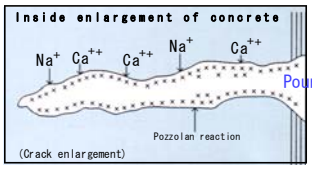
1st pouring
HYDROPROOF HT-SP
2nd pouring
Ground granulated blast-furnace slag for concrete pouring
3rd Mortar waterproofing
HYDROPROOF WP-GS





Pouring situation Ground granulated blast-furnace slag for concrete pouring

The size in a photograph is crack width.



If it pours into a crack, the alkali Ca^{++} and the slag which it began to solve from concrete will react quickly, and will form a precise hardening object over a long period of time.

Rain water invades between a stone and concrete a crevice is made and water moves.

Calcium ion begins to melt and it is gradually corroded by movement of water. It is Calcium Efflorescence which deposited as calcium salt into which the calciumion which began to melt moves to the surface together with water, combines with the carbon dioxide in the atmosphere, and cannot melt easily, and adhered.

By the carbon dioxide in the atmosphere or the action of acid rain if ph inside concrete falls, the generated calcium carbonate will also dissolve it will deposit on the concrete surface and Calcium Efflorescence will be formed similarly.

In the place which is exposed to the atmosphere in the basic concrete of a building the portion near the earth surface of a bridge pier etc and is easy to receive humidity the amount of alkali melts it is carried to the inside of concrete by movement of water it combines with the carbon dioxide in air and the crystal of sulfuric acid sodium etc. is made depending on the sodium carbonate and calcium carbonate case.

Efflorescence Repair

Efflorescence portion:

It deletes with a wire brush etc.

High-pressure washing is washed out and carried outwith detergent.

A hole is made in a mortar portion and a plug is pasted up on it.
First pouring HYDROPROOF HT-SP

Ground granulated blast-furnace slag for concrete tends to permeate the damp part which the alkaline metal salt in an HYDROPROOF HT-SP ingredient reacts with Ground granulated blast-furnace slag for concrete and prevents invasion of the chloride from the outside and promotes pouring of HYDROPROOF HT-SP again.

A plug will be moved if the amount of Ground granulated blast-furnace slag for concrete surplus comes out.

It will solidify firmly and Ground granulated blast-furnace slag for concrete will intercept movement of water if it dries.

Ground granulated blast-furnace slag for concrete

If the slag in the state produced when building pig-iron with a blast furnace of having begun to melt is cooled with a cold-water jet, sand-like slag will be made qualitatively of glass.
What dried and fine-ground this is hardened with stimulants a water calcium oxide and alkali salts.
Although initial intensity is usually small compared with Porto land cement intensity is increased over a long period of time the intensity of Porto land cement is usually reached in three months, and it exceeds this after it.
There are advantages, such as the alkali aggregate reaction deterrence effect and the Efflorescence deterrence effect especially.

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