

Strength and bonding are improved by mixing in cement.

## ISHI-CEMENT F



“Ishi-cement F” is mixed with cement and strength of cement is improved by using it.  
In addition, because cement and stone are strongly united, an excellent bonding with stone

### 【Effect/Characteristics】

- “Ishi-cement F” is used mixing when the concrete, mortar is formed.
- It excels in coagulation and stability, there is an enough working life (For about 1.5 hours), and a wrist performance is good.
- The after apply of one time can be possible thickly coated.  
(About 40mm to 100mm can be thickly coated at unnecessarily applying intervals.)
- After it dries, the cement mortar becomes excellent strength of bond and flexural strength

### 【USAGE】

- It uses for the bonding mortar of stone to which the back side is applied with the Ishinol series.
- Joint stop of stone and tile
- Repair of the outside wall and ceiling.
- Repair of crack part of concrete structure.
- The groundwork repair of waterproofing.

### 【Mixing and Use】

- “Ishi-cement F” is mixed with cement at the rate of 5 to 20% (weight ratio).  
(1.25 to 5kg is used for one cement bag (25kg).)
1. Please do the examination puddling by the raw material before constructing site, and decide the amount of the added water.
  2. It is dry mixing as for cement and sand.
  3. Please add water after “Ishi-cement F” is mixed and it stirs moderately, and mix it uniformly.

### 【Usage note】

- Please use the defoaming agent when “Ishi-cement F” mixes if necessary.  
The adhesion effect of “Ishi-cement F” might decrease for a long time mixing by air.
- Ishi-cement F is bonding must be good with metal, and there must be washing with water a mixer and a tool used at once.  
When it is not possible to take even if it water-cleans, it is possible to take by hot water.
- Please apply after removing a deteriorated part and old stone.  
Moreover, please remove rubber, oil, and rust, etc. from the groundwork well.



An adverse effect in the waterproof becomes bad of “EFLONON LIQUID” when “Ishi-cement F” and “EFLONON LIQUID” are used mixing with.

**Caution!**

## Ishi-Cement F Test Data

Strength of bond (kg/cm<sup>2</sup>)

Mortar addition The stone back applied	No addition	Ishi-Cement F 20%	Ishi-Cement F 10%
No apply	5.0	17.9	10.4
Wet Coat	2.8	9.7	6.6
Clear Coat New	3.0	11.5	7.7

Compounding ratio of examination mortar

∕Cement 1 : Sand 2 : Water 0.5

Examination stone/50×50×10mm Granite (Toruga white)

Its own test by [Building Research Institute] type bonding examination machine

## 【Cautions for handling】

1. Please use products after shakes well before uses.
2. Please use in the good-ventilated space, and wear safety glasses and the protective glove to handling.
3. The container, apparatus, and piping, etc. must use the one (stainless steel plastic glazing etc.) that doesn't rust.
4. Please avoid keeping 0°C or less.
5. Please wipe off with the cotton waste etc. when you leak.

## Emergency measures

When catching one's eye:

Please flush enough in clean water, and receive the doctor's treatment at once.

When you touch the skin

Please wipe off with the cloth and paper, etc. , and flush it in the large quantity of water.

When sucking

Please gargle with the large quantity of water.

When swallowing

Please make the large quantity of water drunk, and vomit.

Please receive the doctor's treatment at once.

## Properties and Packing

Product name:	Ishi- Cement F
Appearance:	Milky Liquid
Ingredient	Special synthetic latex
Solid	47%
pH	10
Specific Gravity (25°C)	1.0
Ion	Nonion
Storing	1 year (Avoids direct sunlight, and a keep with 4~40°C.)
Packing	4kg×4 18kg

Please refer  
to materials

safety data sheet (MSDS) for details of directions and the storage method.