Water Guide construction method

[Outline]

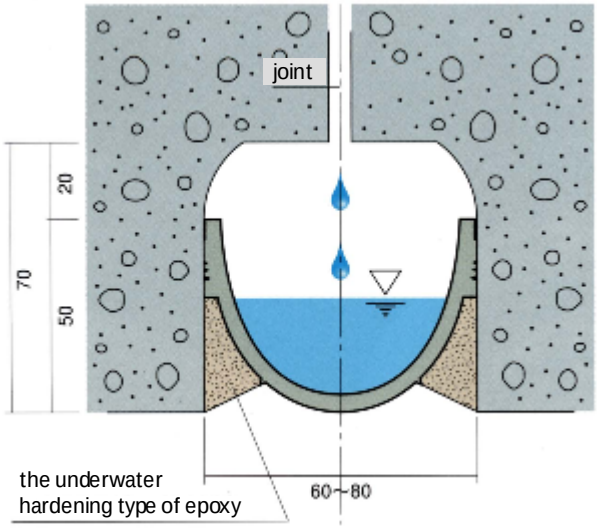
It make a ditch in parts, such as the existing concrete structure building frame joint and a construction-joint part.

[The background of development]

Although the conventional watering construction method of the tracking to "spacing" and "shrinkage" of a joint was good, there was a problem that there was much what has low durability and bad the tracking which receives "twist" .

[Feature]

①Since the underwater hardening type putty of the completed driving channel Sectional is "wedge type structure", it can also bear very high water pressure and its durability also improves.
②In the shape which inserted the water conveyance rubber sheet in wedge structure, also receive "twist" and the tracking is good very much.
③There is little exposure area, and since chloroprene rubber is used, there are no worries about a freeze also in the tunnel of a cold district.
④Even when the water in watering is frozen very much in the tunnel of a cold district, It can be withstand also to expansion by freezing of water enough.
⑤Since chloroprene rubber is exposed about 25-30 mm, one line runs in a tunnel and a fine sight becomes good.



[Scope]

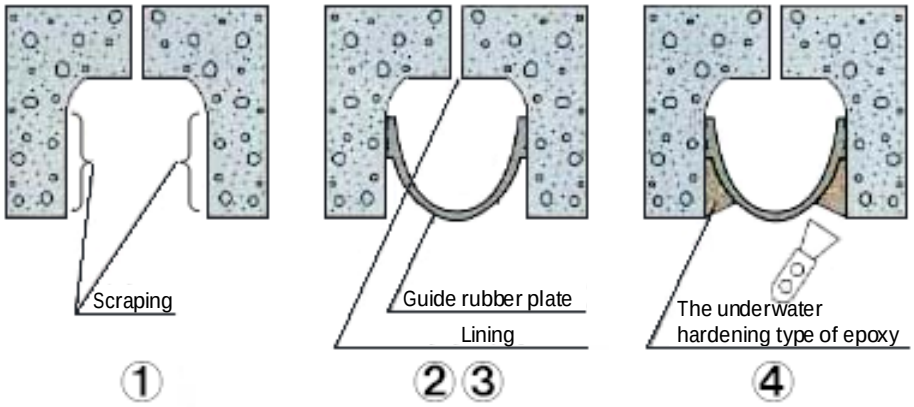
- **Leak-prevention of the expansion joint of a tunnel**
- **Bonds, such as a tunnel, a retaining wall, and a box culvert, a concrete joint part, watering from the leakage of water of a crack**

[Difference with a other construction method]

Mask watering construction method is a watering construction method for which leakage of water is used by the shape of mask when there is comparatively little the quantity.

It can classify into the construction method using a waterproofing sheet, and the construction method using a trail tarp.

[Construction procedure]



①A cutter and chipping

It make a ditch 60-80 mm in width, and 70-80 mm in depth along marking.

②A washing work and a sectional restoration work

It wash a ditch in water using a high-pressure washing machine etc.

③Watering board installation

It bend watering rubber board (HK-130, HK-140, HK-150) into U character, and set to a ditch.

④Epoxy resin putty filling work

It is filled up with underwater hardening type putty (James B-007) so that a jar type may be formed between a ditch and watering rubber plate.

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