⑨ZINCAL Rope

In general, the wires or wire ropes are rather easy to be effected by corrosion owing to their large surface area per a unit weight comparing with other construction steel materials. This nature is unavoidable because of the required technical characteristics upon the wires and wire ropes, therefore when to be used under corrosive environment, a certain effective anti-corrosion measure should be taken.

For the wire high carbon steel products in general, galvanizing has been applied for anti-corrosion, however, as for the easier maintenance, the reduction of the working costs, and so on, the more sufisticated plating technique is now-a-days required.

Hereupon, Tokyo Rope has developed a new coating method based on zinc and aluminum, by our qualified surface technology, i. e.,

Zn + 5% A1 + Na Alloy Coating

which creates a remarkable anti-corrosion characteristics, and the wire products manufactured under this new technique is named ZICAL that is mow introduced into the market.

ZICAL is recognized as twice or more longer time till getting red rusting by neutral salt spray testing, comparing with galvanized wire of the equal coating mass. Moreover, ZICAL shows lower increasing rate of the red rusting.

Fig. 7●Salt Result of spray testing
(wire diameter 2.3mmϕ)