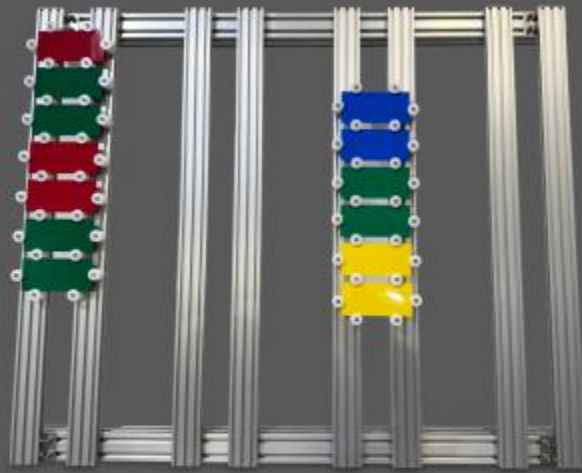




# Exposure rack hanging plate

## XD-748 exposure rack hanging plate operation instructions:

(1) The sample hanging position can be on the fence of offshore platform. First, fix the test piece on the sample rack, and then install the sample rack at the hanging point and fix it vertically, as shown in Figure 1.

(2)Take test plates according to the following time points:  
There are four kinds of hanging plates, namely bare steel plates and three kinds of coating supporting hanging plates, all of which are numbered, as shown in the following table for details. When hanging, the boards will be hung from top to bottom in the order from small to large, and three boards of each board will be removed in the following order every quarter.



Schematic diagram of hanging plate  
(actual hanging plate position is confirmed on site)

(3)The removed hanging boards shall be stored in sealed bags and brought back to the land for testing and analysis every quarter.

| Bare steel plate |                      | 60-80 epoxy zinc-rich, 150-200 epoxy micaceous iron, and 80 polyurethane topcoat (back plate marked EI-1). |                      | Modified epoxy 150, Modified epoxy 150, polyurethane topcoat 60, fluorocarbon varnish 20-30 (back plate marked STE-2) |                      | Thick paste epoxy 150, thick paste epoxy 150, polyurethane topcoat 80 (back plate marked EP-4) |                      |
|------------------|----------------------|------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------|----------------------|
| Number           | Date of taking board | Number                                                                                                     | Date of taking board | Number                                                                                                                | Date of taking board | Number                                                                                         | Date of taking board |
|                  |                      |                                                                                                            |                      |                                                                                                                       |                      |                                                                                                |                      |



## XD-749

It is a template for the determination of chloride ion deposition rate according to GB/T 19292.3-2018/ISO 9225:2012.

### XD-749 chloride ion deposition rate sampling plate operating instructions:

For the chloride ion sampling plate shown in Figure 2, the middle grid is chlorine-free gauze with an area of 100mm<sup>2</sup>. The sampling period is 12 times, once every 30 days.

#### Chloride ion deposition rate test:

- (1) vertically installing a chloride ion sampling plate at a selected position;
- (2) During the test, every 30 days, the chloride ion sampling gauze was removed and sealed with a self-sealing bag;
- (3) Install new chlorine ion sampling gauze at the same time, and after replacing the sampling gauze every time, use waterproof tape to stick and seal around the sampling plate to prevent water from entering;
- (4) The sampled gauze shall be properly preserved and recycled to land for testing and analysis every quarter. (5) The chlorine ion sampling gauze can be removed/replaced at fixed time points.



Legend 2 Chloride ion sampling plate



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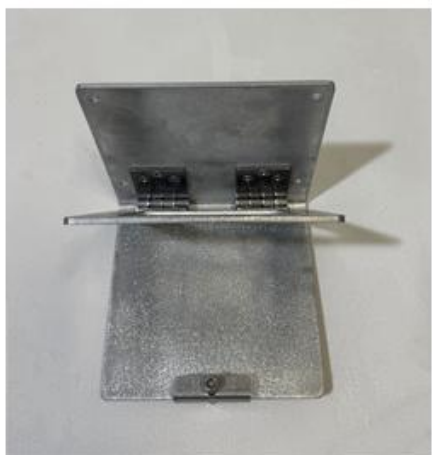
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## XD-750

It is a template for the determination of sulfur dioxide deposition rate according to GBT 19292.3-2018/ISO 9225:2012.

### XD-750 sulfur dioxide deposition rate sampling board operating instructions:

#### Sulfur dioxide deposition rate test:

(1) Install the sulfur dioxide sampler at the selected position, with the sampling port facing downwards, as shown in Figure 3;

(2) During the test, take off the sulfur dioxide sampling filter paper every 30 days and seal it with a self-sealing bag;

(3) Install new sulfur dioxide sampling filter paper at the same time. After replacing the sampling filter paper every time, use waterproof tape to stick and seal around the sampling board to prevent water from entering;

(4) The sampled filter paper is recovered to the land for detection and analysis every quarter.

(5) Sulfur dioxide sampling gauze can be removed/replaced at fixed time points.



Legend 3 Sulfur dioxide sampler



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