

# NEWIN- ARMOUR

Corrosion Resistance Technology



**NEWIN**  
All About Cooling Tower

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## NWN-Armour Corrosion Resistance Technology

### ► Technology Description

The galvanized steel panel is coated with a special, constantly improving composition that allows the equipment to work with higher concentration cycles and thereby reduce water consumption. The coating is easily repaired if damaged.



### ► Advantages

- ✓ Anti-corrosion Upgrade, Prolong the Service Life of the Equipment.
- ✓ Save Operating and Maintenance Costs.
- ✓ A Cost-effective Alternative to Stainless Steel 304.
- ✓ Green Environmental Protection.



### ► Anti- corrosion Test Comparison

Sample	Test Item	Test Hours	Test Result	Test Instrument/ Method
SUS304 Plate	NSST (Neutral Salt Spray Test)	650h	Sample surface showed no obvious change.	GB/T10125-2021
NWN-Armour Coating Plate	NSST	650h	Sample surface showed no obvious change.	GB/T10125-2021
Galvanized Plate	NSST	650h	White rust appears on the sample surface.	GB/T10125-2021
Test Equipment		NSST Machine SK-160C(YSJF-26)		
Note.	Test Solution PH: 6.35 Sediment Saline Solution PH: 6.71 Test Chamber Internal Temp.(°C):35 Salt Spray Sedimentation Rate mL/(80cm <sup>2</sup> ·h):1.42			

Sample	Before Test	After Test	Test Conclusion
SUS304 Plate			<ul style="list-style-type: none"> <li>► Products protected by the NWN-Armour anti-corrosion coating have excellent resistance and the ability to resist corrosion is close to the characteristics of stainless steel.</li> </ul>
NWN-Armour coating plate			<ul style="list-style-type: none"> <li>► Products protected by the NWN-Armour anti-corrosion coating can operate with higher (up to 8-10) concentration cycles, reducing water consumption in the cooling circuit, reducing the cost of reagent water treatment and the total cost of operation and maintenance of cooling towers.</li> </ul>
Galvanized Plate			<ul style="list-style-type: none"> <li>► Products protected by the NWN-Armour anti-corrosion coating can be used as an alternative to stainless steel products, while having a significantly lower cost.</li> </ul>

# CONTACT US



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