

ICS 87.040
CCS G 51

HG

**CHEMICAL INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

HG/T 5176-2025

Replacing HG/T 5176-2017

**Waterborne anticorrosive coatings for metal structures
(English Translation)**

Issued on: August 19, 2025

Implemented on: March 1, 2026

Issued by: Ministry of Industry and Information Technology

Table of Contents

What this standard covers	1
Document data	2

What this standard covers

This standard specifies the classification and grading, requirements, test methods, inspection rules, marking, packaging, and storage of water-based anti-corrosion coatings for metal structures. This standard applies to atmospheric corrosion rating C4 as defined in ISO 12944-2:2017. This standard does not apply to water-based anti-corrosion coatings for steel and aluminum alloy structures used under the following conditions. It does not apply to water-based anti-corrosion coatings for metal structures used in corrosive environments such as immersion, burial, and tank linings, or in highly corrosive atmospheric corrosion environments (C5 and CX).

Document data

International classification (ICS): 87.040.

Chinese classification (CCS): G51.

Estimated length of the Chinese original: 34,385 words.

Supersedes the earlier edition HG/T 5176-2017.