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In the event of any doubts arising as to the contents,
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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any such patent rights, applications for a patent after opening to the public or utility model rights.

Carbon nanotube composite resin coating film

1 Scope

This Japanese Industrial Standard specifies carbon nanotube composite resin coating film (hereafter referred to as the coating film) applied to the surface of metallic and plastic products used mainly for offshore structures, underground structures and outdoor land-based structures (hereafter referred to as the products) for the purpose of enhancing their corrosion resistance, abrasion resistance and other similar properties.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS G 3141 *Cold-reduced carbon steel sheet and strip*

JIS K 5500 *Glossary of terms for coating materials*

JIS K 5600-1-7 *Testing methods for paints — Part 1 : General rule — Section 7 : Determination of film thickness*

JIS K 5600-5-1 *Testing methods for paints — Part 5 : Mechanical property of film — Section 1 : Bend test (cylindrical mandrel)*

JIS K 5600-5-3 *Testing methods for paints — Part 5 : Mechanical property of film — Section 3 : Falling-weight test*

JIS K 5600-5-6 *Testing methods for paints — Part 5 : Mechanical property of film — Section 6 : Adhesion test (Cross-cut test)*

JIS K 5600-5-9 *Testing methods for paints — Part 5 : Mechanical property of film — Section 9 : Abrasion resistance (Rotating abrasive rubber wheel method)*

JIS K 5600-7-7 *Testing methods for paints — Part 7 : Long-period performance of film — Section 7 : Accelerated weathering and exposure to artificial radiation (Exposure to filtered xenon-arc radiation)*

JIS K 5600-7-9 *Testing methods for paints — Part 7 : Determination of resistance to cyclic corrosion conditions — Section 9 : Salt fog/dry/humidity*

JIS K 5674 *Lead-free, Chromium-free anticorrosive paints*

JIS Z 1522 *Pressure sensitive adhesive cellophane tapes*

JIS Z 2251 *Knoop hardness test — Test method*

JIS Z 2371 *Methods of salt spray testing*