EUROPEAN COIL COATING ASSOCIATION A.I.S.B.L

**ECCA PREMIUM® QUALITY AND SUSTAINABILITY LABEL**

 **SELF DECLARATION CHECK LIST, PREPAINTED STEEL SUBSTRATES**

## Product quality

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| **Properties** | **Value/limits** | **Additional information** | **OK?** |
| **Mechanical performance** | Metallic (zinc or zinc alloy) coating thickness | Z, min. 200 g/m² or national requirement if higher (EN 10346:2009, EN 508) | See 1) |  |
| ZA, min. 185 g/m² or national requirement if higher (EN 10346:2009, EN 508) |
| ZM, min. 120 g/m² or national requirement if higher (prEN 10346) |
| Total film thickness | Minimum total film thickness ≥ 25 μm |   |  |
| Total thickness tolerances | EN 10169, Table 2 |  |  |
| Top coat, gloss tolerances | EN 10169, Table 3 |   |  |
| Top coat, colour consistency | On-line or off-line colour consistency control shall be demonstrated. |  |  |
| Adhesion | EN 10169, Clause 6.2.4 |   |  |
| Bendability | No cracking on bending at ≥ 3T |   |  |
| **Durability** | Resistance to corrosion, accelerated test (salt spray) | EN 10169, Clauses 6.3.3.3.3 a) and 7.5.8.4.1 | See 2) |  |
| Resistance to corrosion, natural weathering | Min. RC3 as defined in EN 10169 | See 3) |  |
| Resistance to UV radiation, accelerated test (QUV-A) | Min. RUV2 for saturated/sharp and metallic colours | See 4) |  |
| Min. RUV3 for other colours |  |
| Resistance to UV radiation, natural weathering | Min. RUV2 for saturated/sharp and metallic colours | See 5) |  |
| Min. RUV3 for other colours |  |
| Fire reaction | PE = 25μm: no requirement (preapproved) |  |  |
| PE > 25μm, PUR, PVDF: A2-s1,d0 (EN 13501) |
| Plastisol: C-s3, d0 (EN 13501) |

1. EN 10346 is currently under revision (ECISS/TC109) and ZM coatings are planned to be included in the next version. Estimated publication for the revised norm is January 2015.
2. Salt spray test is optional if RC3 performance level can be shown by a certificate from an accepted test field. Salt spray test alone can be accepted as proof of corrosion resistance in case of a new product.
3. Exception: a new product with outdoor tests on-going (no results yet) on the condition that accelerated salt spray test result is approved
4. QUV test is optional if minimum RUV2 or RUV3 performance level can be shown by a certificate from an accepted test field. QUV-A test alone can be accepted as proof of UV resistance in case of a new product.
5. Exception: a new product with outdoor tests on-going (no results yet) on the condition that accelerated QUV-A test result is approved

## Product sustainability

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| **Requirements** | **Legislation** | **Additional information** | **OK?** |
| Labelled product does not intentionally contain any substances included in the Annex XIV of REACH, which shall be proven by suppliers’ declarations. | EC 1907/2006, “REACH” | See 1) |  |

1. All substances currently included in the Annex XIV of ECHA are listed on the website of the European Chemical Agency: <http://echa.europa.eu/web/guest/addressing-chemicals-of-concern/authorisation/recommendation-for-inclusion-in-the-authorisation-list/authorisation-list>. List is regularly updated and ECCA Premium® members will be informed of any upcoming change with due notice.

## Manufacturing quality

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| **Requirements** | **Standard** | **Additional information** | **OK?** |
| ISO 9001 certification: The applicant shall have the quality management system ISO 9001, certified by an independent organization including the scope of the assessed product. | ISO 9001:2008 |  |  |
| ISO 14001 or EMAS certification:The applicant shall have the environmental management system ISO 14001 or EMAS, certified by an independent organization including the scope of the assessed product. | ISO 14001:2004 or EMAS |  |  |
| Adoption of a safety management system:The applicant shall have a health and safety management system (OHSAS 18001 similar) | OHSAS 18001 or similar |  |  |

## Manufacturing sustainability

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| **Requirements** | **Standard/ legislation** | **Additional information** | **OK?** |
| Energy efficiency:Continuous follow-up of energy consumption of the production activities shall be proven |  | See 1) |  |
| VOC destruction: The curing ovens on the coil coating lines need to be equipped with a solvent destruction system, e.g. a thermal oxidizer. The maximum carbon content of the exhaust gas shall not exceed 50 mg/m3. | 2010/75/EU, Industrial Emissions Directive |  |  |
| VOC emissions: fugitive emissions from the coil coating process ≤ 5% for new installations and ≤ 10% for old installations | 2010/75/EU, Industrial Emissions Directive  |  |  |
| Water consumption: continuous follow-up of total water consumption on the coil coating process shall be demonstrated |  | See 2) |  |
| Waste management: the applicant shall demonstrate separation of hazardous and non-hazardous waste in the coil coating process, and treatment of both in proper ways. | 2008/98/EC, Waste Framework Directive  |  |  |

1. Follow-up can be applied to whole production or only the coil coating line. Energy consumptions to be listed are: natural gas, electricity, steam, compressed air, oil, LPG
2. Follow-up can be applied to whole production or only the coil coating line.

## Social Responsibility

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| **Requirements** | **Standard** | **Additional information** | **OK?** |
| UN Global Compact or other social responsibility scheme: Adherence to the UN Global Compact scheme or other social responsibility scheme is desired. In case of no official adherence, a commitment of the company’s management to social responsibility principles shall be demonstrated. | UN Global Compact or similar |  |  |