

Paint systems for industrial environments – requirements and tests

Scope

Industrial use places high demands on durability and therefore it is important to have paint systems that are able to protect surfaces despite demanding environments.

SSG has in this standard defined a number of paint types and paint systems as well as the various tests that they need to pass in order to be classified as one of SSG's paint systems. The standard is aimed at paint manufacturers and personnel who carry out tests or review finished results.

The paint systems addressed in the standard are intended for painting carbon steel and hot-dip galvanized steel. The selection of paint systems is based on many years of experience and expertise from the industry through SSG's surface protection committee and network.

SSG 1006E and SSG 1012E can be used to complement SSG 1100E.

SSG 1006E is a list of makes of paint systems that meet SSG's requirements.

SSG 1012E describes different industry environments and the paint systems that are suitable to use in the different environments.

Changes since the previous edition

This edition differs from the previous one as follows:

- The disposition of the standard has been changed.
- The requirements for test panels have changed.
- Paint types that are not part of any of the paint systems listed in this standard have been removed.
- Requirements for drying time and tolerances for coat thickness have changed.
- Chapter 6 – "Implementation process and management of results" has been added to clarify the implementation process.
- Compliance with the REACH regulation and work environment legislation has been added as a requirement.
- The requirement for the TD paint type to be resin modified has been removed. Since TA and TD then have the same description, TA has been removed and replaced by TD, which is a chemically hardening two-component epoxy topcoat.
- GK120 TB80¹⁾ has been changed to GK160 TB80.
- GK80 GA100 TB60¹⁾ has been changed to GK80 GS100 TB60.
- GB40¹⁾ has been removed as a separate paint system. However, the GB40 paint type remains as part of other paint systems.

¹⁾ The GK120 TB80, GK80 GA100 TB60 and GB40 will stay in **SSG 1006E** for those paint manufacturers who tested these paint systems prior to this edition of SSG 1100E.