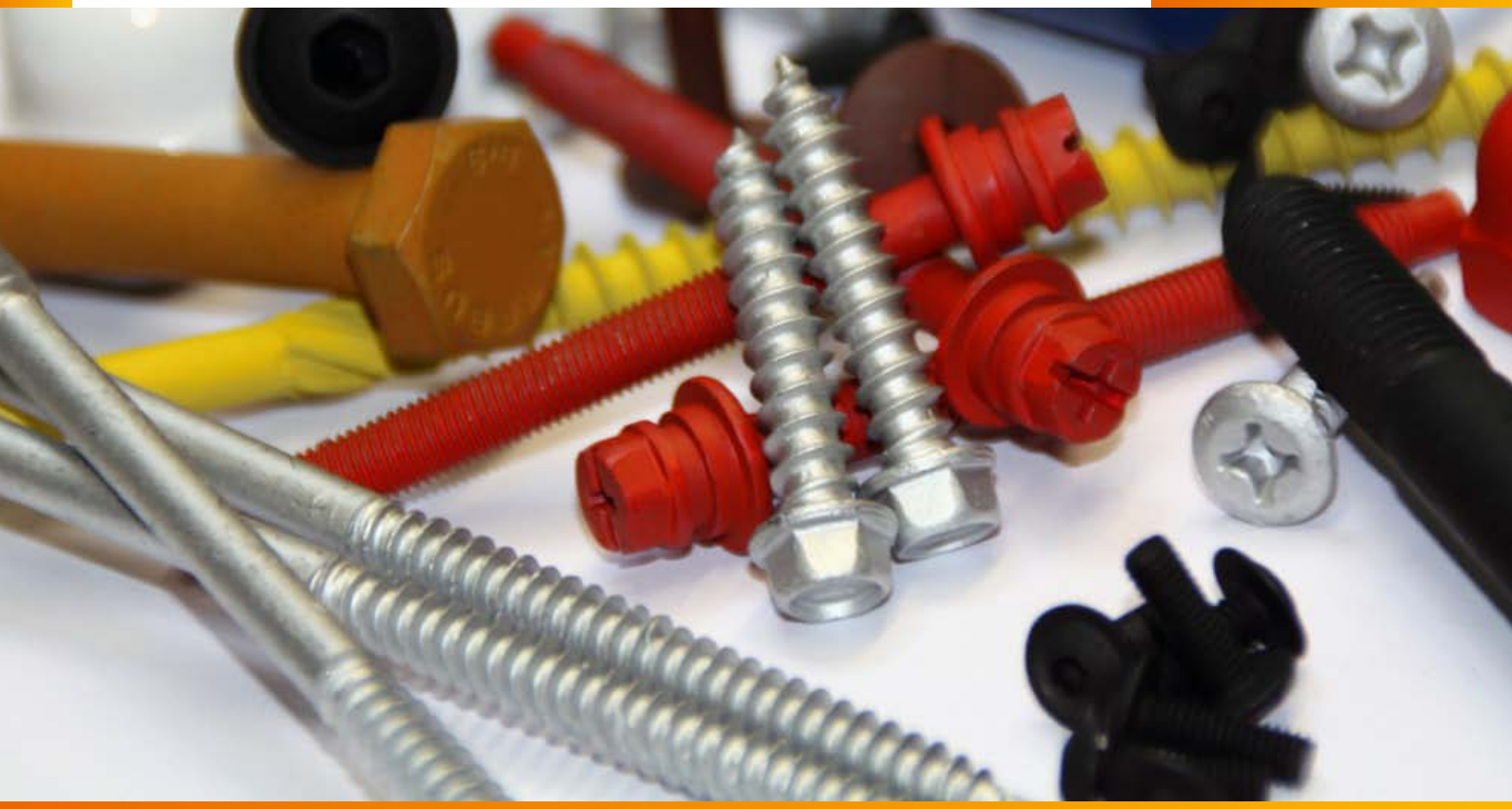
DUROC
CORROSION PROTECTION

ENG



NOVATION NEW INNOVATION NEW INNOVATION NEW INNOVATION NEW INNOVATION NE

A **DUPLEX®** coating is the ideal treatment for parts that have to meet the strict requirements set forth in the ETAG 006 standard. This type of coating consists of an electrolytic base coat in combination with an organic topcoat. This guarantees extremely high corrosion protection with chemical resistance. Thanks to the chemical resistance and high corrosion resistance, this surface treatment is highly suitable for a wide range of applications, such as offshore, industry, building and the construction of stables.

DUPLEX®

DUROC
CORROSION PROTECTION

Electrolytic coatings are usually passivated or chromated (there is talk of chromation when hexavalent chromium is used). By using the unique properties of a passivated zinc coating (free of hexavalent chromium) with an organic topcoat, excellent corrosion resistances are obtained.

DUPLEX® is available in a variety of colours; red - green - yellow - brown - dark-brown - blue - black and silver grey. The below corrosion resistances apply for the silver grey topcoat.

Are you looking for good corrosion resistance and chemical resistance, then DUPLEX® is highly suitable, 15 rounds of Kesternich resistance (with 2,0L SO_2) are no exception.

DUPLEX® offers the greatest possible resistance in situations where extreme environmental factors play a role. The use of stainless steel in swimming-pools can lead to corrosion under the influence of the high chloride level and the ozone in the environment. DUPLEX® is a superior alternative, according to an article from a technical trade journal. Additionally, DUPLEX® is ideal for parts used in coastal regions that have saline humid air, as well as in the industry and in the construction of stables where the strong emission of ammonium is a major factor. Indeed, the topcoat has great resistance against aggressive acids, lyes and gases.

To make a distinction between the various DUPLEX® series, the names state the corrosion resistance, e.g. DUPLEX® 1000, with 1,000 hours of salt-spray humidifying test according to DIN 50 021 NSS.

NOVATION NEW INNOVATION NEW INNOVATION NEW INNOVATION NEW INNOVATION NE

Technical aspects

	Saltspray resistance*	Kesternich resistance**	
DUPLEX® 700	700 hours	8 rounds	14 µm ±2
DUPLEX® 1000	1000 hours	12 rounds	18 µm ±2
DUPLEX® 1300	1300 hours	15 rounds	22 µm ±2
DUPLEX® 2000	2000 hours	20 rounds	22 µm ±2

* DIN 50 021 NSS
** DIN 50 018

- Delays contact corrosion.
- Protects against chemicals such as acids, alkalis, oils, gasoline, etc. ..
- Available in 8 different colors, standard silvergrey.
- Can be provided with additional friction reducer (GZ).
- Curing temperature < 220°C => no loss of mechanical properties ..
- Meets ELV (2000/53/CE) directive: free of Chromium, Cadmium, Nickel, Lead, Mercury and Molybdenum.
- Meets RoHS (2002/95/CE directive).

Duroc n.v.
Moerelei 149
2610 Antwerp
t. +32 (0)3 821 01 50
f. +32 (0)3 821 01 60
info@duroc.be
www.duroc.be