



Surface Technologies

Technical Process Bulletin

TURCO Guard 208

Transparent protection coating for metal and plastic surfaces

Description

TURCO GUARD 208 is a protection coating for metal and plastic surfaces that can be both painted and non-painted. It leaves a thin, transparent layer on the surface; resistible to sun and outdoor exposure.

Properties

TURCO GUARD 208 is typically used to protect aluminium construction elements and metal components. Excellent results can be obtained on old (by UV radiation degraded) layers of paint.

TURCO GUARD 208 is a mixture of solvents and polymerized non-linear co-polymers, which leave a permanent protection coating on the surface.

Because cement, mortar, dirt and dust attach hardly on a Guard layer, cleaning of surfaces treated with **TURCO GUARD 208** becomes much easier than non-treated metals (especially in case of aluminium).

The product is not compatible with rubber and plastics not resistant to xylene.

Consumption: 17 m²/L for 13 µ coating thickness

Characteristics

Appearance:	colourless, transparent liquid
Density:	0,94 kg/L
Viscosity:	n° 2 Zahn Cup 35°C, 20 sec
% solids:	30 ± 1.0 (in weight) 28 ± 0.5 (in volume)
Flashpoint:	45 °C
Storage:	5 – 30 °C
Shelf life:	6 months in closed packaging

NSS for the coating left on substrate: 700 h (Al 7075 and Al 2024 alloy)
Chemical resistance of coating: resistant to mild acids and alkaline products

Application

The product is applied without dilution by means of a roller, brush or airless spraying equipment on a clean and dry surface.

Application of **TURCO GUARD 208** is highly influenced by the temperature and humidity; we advise not to treat parts at temperatures below 10 °C and with relative humidity higher than 60%.

Without diluting the product, a layer of $\pm 13 \mu$ will be left on the substrate; in case a second layer needs to be applied, proceed only after a few days, to have good hardening of the first coating.

Roller

For application on large surfaces; after applying **TURCO GUARD 208** it's recommended to evenly distribute the product using a brush (it will make air bubbles disappear as well)

Brush

For application on small surfaces; the coating will be dry after 20 minutes and completely hardened after a few days

Safety

Please read the detailed safety data sheet of the product.

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