



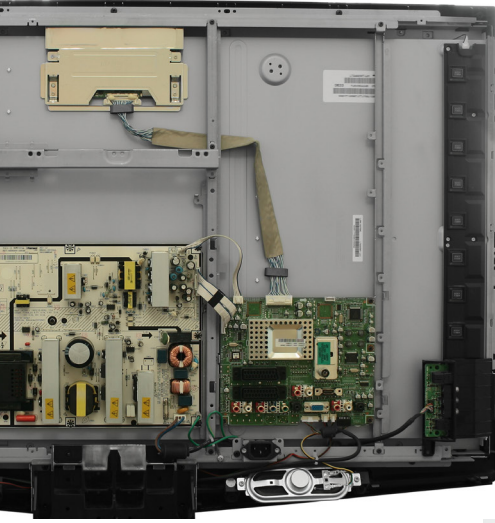
GALVANIZED STEEL WITH  
**THIN ORGANIC  
COATING**



HOT DIP GALVANIZED STEEL WITH

# Thin Organic Coating

New environmentally friendly material with excellent performance and improved processing characteristics



## TOC

A special form of coating applied to both sides of galvanized steel combines polymers and inorganic compounds providing steel with highly advanced properties.

## Applications

Hot dip galvanized steel with the TOC is suitable for both, interior and exterior applications. It represents an efficient substitution for electrolytic galvanized steel.

## Industries

### Construction

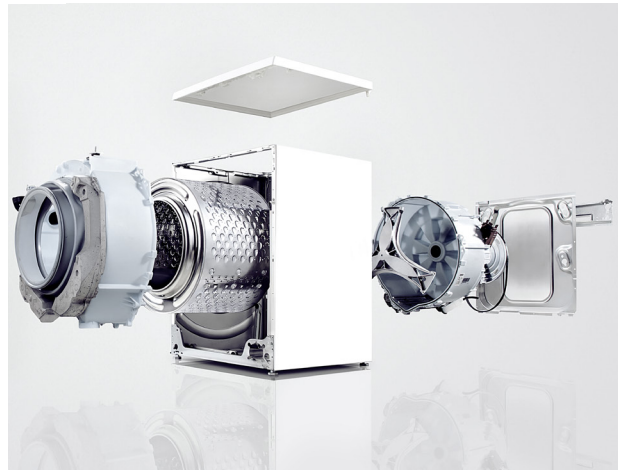
profiles, ceilings, clads, walls

### Appliances & electronics

dryers, TV panels, dishwashers  
hi-fi systems

### General industry

heating, ventilation, furniture, air conditioning, shelves



Hot dip galvanized steel with TOC compared to hot dip galvanized steel with passivation

3x

Three times better corrosion resistance

30%

30 percent lower friction

0%

Hexavalent chromium free



Antifingerprint surface

## Main advantages of the TOC

Antifingerprint surface quality especially important for electronics, post-paintability for direct painting without pre-treatment, dry lubricity to facilitate forming processes (profiling, stamping, roll forming), good adhesion to polyurethane foams, especially for sandwich insulation panels, compatible with joining processes (clinching), cleaning liquid resistance, etc.

TOC is an efficient solution for any application where traditional passivated or oiled galvanized material is used, especially in rust sensitive conditions. It is suitable for interior, exterior, exposed and unexposed parts without any additional surface treatment. If necessary, steel with TOC can also be painted. Comes as transparent or pigmented film.



Compared to traditional HDG with passivation, corrosion resistance of the new TOC increased three times and friction dropped by a third, maintaining great weldability.